

State of California  
The Resources Agency

DEPARTMENT OF WATER RESOURCES  
Division of Operations and Maintenance

# STATE WATER PROJECT OPERATIONS DATA

For the month of:  
**March 1995**

**Pete Wilson**  
Governor  
State of California

**Douglas P. Wheeler**  
Secretary for Resources  
The Resources Agency

**David N. Kennedy**  
Director  
Department of Water Resources

State of California  
Resources Agency

**Department of Water Resources  
Division of Operations and Maintenance**

**State Water Project  
Operations Data**  
for the Month of March 1995

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## MONTHLY HIGHLIGHTS

The following highlights are activities or actions that impacted State Water Project operations during the month of March 1995.

In the Northern Sierra, March rainfall amounted to about 22-1/2 inches, making this the wettest March in 70 years of record and slightly exceeding that of March 1983 which was the wettest year this century. Total seasonal precipitation now exceeds 160 percent of the average to date. Both Santa Barbara and San Luis Obispo counties declared federal disaster areas while experiencing extensive flooding from January and March storms.

The peak rate of Sacramento Valley inflow to the Delta during the second week of March was around 330,000 cfs. DWR also opened 22 of the 48 gates in the Sacramento Weir to help control lower Sacramento River levels. Tide levels at Rio Vista Bridge reached 9.8 feet on March 14 which is 1.8 feet over the warning stage. However, local agencies reported no major Delta levee failure problems. The winter-run sized salmon combined State-Federal incidental take stands at 478 for the season through March.

Statewide reservoir storage, which was normal last month, climbed to about 28 MAF, nearly 110 percent of normal by April 1. Spill releases began on March 9 at Oroville and March 10 at San Luis. The 24-hour water surface elevation at Oroville peaked on the March 11 and March 13 at San Luis Reservoir. On March 11, DWR increased releases to the Feather River to 87,000 cfs. Spill releases at Oroville ended on March 27. Inflow into Del Valle Reservoir required flood control releases and the lake peaked at elevation 713.51 on March 23. As of March 30, DWR reduced the water surface elevation at Del Valle to 701.8 feet. Flood control elevation is 701.7 feet.

Heavy runoff at Salt and Cantua Creeks caused considerable damage to the aqueduct when up to 4,000 cfs crested the operating road and flowed into Pool 18; at least 20 lining panels were destroyed. Record runoff of greater than 25,000 cfs into the Arroyo Pasajero impounding area resulted in releases of up to 3,000 cfs into the aqueduct through the Gale Avenue gates and 1,000 cfs under the aqueduct through the evacuation culvert. High water breached the embankment protecting the aqueduct north of Gale Avenue at a pump-in location and approximately 600 cfs flowed uncontrolled into Pool 20, displacing a number of lining panels. DWR opened the Kern River Intertie on March 11 to prevent overtopping from within the aqueduct due to the uncontrolled inflows from the Arroyo Pasajero and Cantua Creek area. Releases through the Intertie reached 5,500 cfs on March 12. By March 14, operators concluded releases to the Kern River Intertie. The high flows in the Arroyo Pasajero severed an 18-inch Chevron Oil Company pipeline 1-1/4 miles downstream of Interstate 5 and approximately 200 barrels of crude oil leaked into the arroyo before it could be shut down. The oil was carried into the ponding basin where a small amount was taken into the aqueduct through the breach. High flows also carried some oil east of the aqueduct through the evacuation culvert. Water quality personnel detected no oil in the samples taken south of checks 21 and 29 and in the Quail Lake vicinity.

Field personnel discovered a leak at Aqueduct Pool 49 on the East Branch near Quartz Hill on March 10. The leakage stopped when the aqueduct water surface was lowered on March 11, however significant erosion had already occurred in the left embankment. The pool was dewatered to inspect the leak, a repair scheme developed and repairs begun under an emergency contract.

April 1 snowpack water content was 175 percent, compared with 50 percent at this time last year. Runoff statewide was three times average, compared to less than half average for this month last year. The seasonal water year runoff total climbed from 130 percent at the end of February to 170 percent by the end of March.

**TABLE 1: ANTELOPE LAKE**  
DAILY OPERATION

Capacity: 22,566 ac-ft

(in acre-feet except as noted)

**March 1995**

DATE	LAKE STORAGE			OUTFLOW IN CFS							INFLOW	
	WATER SURFACE ELEVATION (in feet)	STORAGE	STORAGE CHANGE	REGULATED RELEASE				SPILL	ESTIMATED EVAPORATION AND SEEPAGE 1/	TOTAL OUTFLOW 1/	COMPUTED 1/	
				STREAM-FLOW MAINT.	WATER SUPPLY CONTRACT	WATER RIGHT	TOTAL REGULATED RELEASE					
Feb 28	4999.00	19,868										
1	4999.21	20,050	182	20	0	0	20	0				
2	4999.47	20,277	227	20	0	0	20	0				
3	4999.79	20,549	272	20	0	0	20	0				
4	5000.01	20,762	213	20	0	0	20	0				
5	5000.18	20,912	150	20	0	0	20	0				
6	5000.32	21,036	124	20	0	0	20	0				
7	5000.45	21,152	116	20	0	0	20	0				
8	5000.61	21,296	144	20	0	0	20	0				
9	5002.58	23,106	1,810	32	0	0	32	14				
10	5003.79	24,262	1,156	40	0	0	40	207				
11	5003.71	24,104	-158	40	0	0	40	411				
12	5003.45	23,934	-170	40	0	0	40	331				
13	5003.29	23,780	-154	40	0	0	40	249				
14	5003.20	23,694	-86	101	0	0	101	204				
15	5003.13	23,627	-67	152	0	0	152	178				
16	5003.00	23,504	-123	152	0	0	152	151				
17	5002.93	23,437	-67	152	0	0	152	129				
18	5003.02	23,523	86	152	0	0	152	134				
19	5002.99	23,494	-29	152	0	0	152	138				
20	5003.18	23,675	181	152	0	0	152	156				
21	5003.05	23,551	-124	152	0	0	152	167				
22	5002.97	23,475	-76	152	0	0	152	140				
23	5002.83	23,342	-133	152	0	0	152	116				
24	5002.72	23,238	-104	152	0	0	152	92				
25	5002.58	23,106	-132	152	0	0	152	69				
26	5002.50	23,031	-75	152	0	0	152	51				
27	5002.44	22,975	-56	152	0	0	152	41				
28	5002.35	22,890	-85	152	0	0	152	32				
29	5002.31	22,853	-37	152	0	0	152	23				
30	5002.30	22,844	-9	152	0	0	152	20				
31	5002.35	22,890	46	140	0	0	140	22				
TOTAL CFS-DAYS			---	3,025	0	0	3,025	3,075	56	6,156	7,680	
TOTAL AC-FT.			3,022	6,000	0	0	6,000	6,099	112	12,211	15,233	

1/ Values not available on a daily basis.

## TABLE 2: FRENCHMAN LAKE

### DAILY OPERATION

Capacity: 55,477 ac-ft

(in acre-feet except as noted)

March 1995

DATE	LAKE STORAGE			OUTFLOW IN CFS							INFLOW
	WATER SURFACE ELEVATION (in feet)	STORAGE	STORAGE CHANGE	REGULATED RELEASE				SPILL	ESTIMATED EVAPORATION AND SEEPAGE 1/	TOTAL OUTFLOW 1/	COMPUTED 1/
				STREAM-FLOW MAINT.	WATER SUPPLY CONTRACT	WATER RIGHT	TOTAL REGULATED RELEASE				
Feb 28	5569.76	31,106									
1	5570.00	31,370	264	2	0	0	2	0			
2	5570.34	31,746	376	2	0	0	2	0			
3	5570.67	32,115	369	2	0	0	2	0			
4	5570.85	32,317	202	2	0	0	2	0			
5	5571.06	32,553	236	2	0	0	2	0			
6	5571.27	32,791	238	2	0	0	2	0			
7	5571.40	32,939	148	2	0	0	2	0			
8	5571.56	33,122	183	2	0	0	2	0			
9	5573.25	35,093	1,971	2	0	0	2	0			
10	5575.33	37,624	2,531	2	0	0	2	0			
11	5576.55	39,161	1,537	2	0	0	2	0			
12	5577.26	40,074	913	2	0	0	2	0			
13	5577.93	40,946	872	2	0	0	2	0			
14	5578.51	41,711	765	2	0	0	2	0			
15	5579.07	42,458	747	2	0	0	2	0			
16	5579.59	43,159	701	2	0	0	2	0			
17	5579.95	43,648	489	2	0	0	2	0			
18	5580.47	44,360	712	2	0	0	2	0			
19	5580.94	45,010	650	2	0	0	2	0			
20	5581.64	45,989	979	2	0	0	2	0			
21	5582.13	46,682	693	2	0	0	2	0			
22	5582.63	47,395	713	2	0	0	2	0			
23	5582.93	47,826	431	2	0	0	2	0			
24	5583.27	48,318	492	2	0	0	2	0			
25	5583.54	48,710	392	2	0	0	2	0			
26	5583.77	49,046	336	2	0	0	2	0			
27	5584.01	49,397	351	2	0	0	2	0			
28	5584.21	49,692	295	2	0	0	2	0			
29	5584.45	50,046	354	2	0	0	2	0			
30	5584.65	50,343	297	2	0	0	2	0			
31	5584.87	50,670	327	2	0	0	2	0			
TOTAL CFS-DAYS			---	62	0	0	62	0	80	142	10,005
TOTAL AC-FT.			19,564	123	0	0	123	0	158	281	19,845

1/ Values not available on a daily basis.

**TABLE 3: LAKE DAVIS**

**DAILY OPERATION**

Capacity: 84,371 ac-ft

(in acre-feet except as noted)

**March 1995**

DATE	LAKE STORAGE			OUTFLOW IN CFS							INFLOW
	WATER SURFACE ELEVATION (in feet)	STORAGE	STORAGE CHANGE	REGULATED RELEASE				SPILL	ESTIMATED EVAPORATION AND SEEPAGE	TOTAL OUTFLOW	COMPUTED
				STREAM-FLOW MAINT.	WATER SUPPLY CONTRACT	WATER RIGHT	TOTAL REGULATED RELEASE				
					1/		1/		1/	1/	1/
Feb 28	5768.99	62,027									
1	5769.05	62,232	205	10		0		0			
2	5769.11	62,434	202	10		0		0			
3	5769.27	62,986	552	10		0		0			
4	5769.46	63,641	655	10		0		0			
5	5769.52	63,848	207	10		0		0			
6	5769.55	63,952	104	10		0		0			
7	5769.58	64,056	104	10		0		0			
8	5769.59	64,091	35	10		0		0			
9	5769.65	64,299	208	10		0		0			
10	5770.53	67,400	3,101	10		0		0			
11	5771.36	70,398	2,998	10		0		0			
12	5771.79	72,350	1,952	10		0		0			
13	5772.04	72,907	557	123		0		0			
14	5772.16	73,355	448	208		0		0			
15	5772.26	73,729	374	221		0		0			
16	5772.35	74,067	338	221		0		0			
17	5772.39	74,217	150	221		0		0			
18	5772.46	74,480	263	221		0		0			
19	5772.59	74,971	491	221		0		0			
20	5772.63	75,122	151	224		0		0			
21	5772.83	75,881	759	211		0		0			
22	5772.90	76,148	267	209		0		0			
23	5773.04	76,682	534	225		0		0			
24	5773.05	76,720	38	225		0		0			
25	5773.03	76,644	-76	225		0		0			
26	5772.97	76,415	-229	225		0		0			
27	5772.91	76,186	-229	225		0		0			
28	5772.86	75,995	-191	225		0		0			
29	5772.79	75,729	-266	225		0		0			
30	5772.72	75,463	-266	225		0		0			
31	5772.65	75,198	-265	225		0		0			
TOTAL CFS-DAYS			---	4,225	1	0	4,226	0	218	4,444	11,084
TOTAL AC-FT.			13,171	8,380	2	0	8,382	0	432	8,814	21,985

1/ Values not available on a daily basis.

## TABLE 4: LAKE OROVILLE

### DAILY OPERATION

(in acre-feet except as noted)

Capacity: 3,537, 580 ac-ft

March 1995

DATE	WATER SURFACE ELEV. (in feet)	STORAGE	STORAGE CHANGE	OUTFLOW						INFLOW		
				HYATT GENERATION	PALERMO CANAL	SPILLWAY LEAKAGE	EVAP-ORATION	SPILL	TOTAL OUTFLOW	HYATT PUMPBACK	CALCULATED INFLOW	
				1/		2/	3/				4/	
Feb 28	837.26	2,641,052										
1	837.99	2,650,449	9,397	7,977	4	8	22	0	8,011	1,664	15,744	
2	838.99	2,663,361	12,912	9,347	4	8	7	0	9,366	1,615	20,663	
3	840.82	2,687,096	23,735	11,000	4	8	42	0	11,054	1,770	33,019	
4	843.11	2,716,993	29,897	1,526	4	8	63	0	1,601	2,026	29,472	
5	845.07	2,742,765	25,772	1,242	4	10	36	0	1,292	970	26,094	
6	845.77	2,752,011	9,246	14,736	4	10	21	0	14,771	2,034	21,983	
7	845.34	2,746,329	-5,682	23,697	4	10	36	0	23,747	0	18,065	
8	844.74	2,738,414	-7,915	28,854	2	10	36	0	28,902	0	20,987	
9	853.31	2,852,992	114,578	31,548	0	0	0	11,157	42,705	0	157,283	
10	861.83	2,970,201	117,209	26,252	0	0	0	75,207	101,459	0	218,668	
11	864.53	3,008,041	37,840	13,753	0	0	38	148,678	162,469	0	200,309	
12	861.50	2,965,599	-42,442	10,798	0	0	0	157,281	168,079	0	125,637	
13	857.37	2,908,431	-57,168	12,163	0	0	45	155,207	167,415	0	110,247	
14	853.12	2,850,416	-58,015	12,884	0	0	7	152,769	165,660	0	107,645	
15	850.41	2,813,851	-36,565	20,835	0	0	7	115,620	136,462	0	99,897	
16	847.36	2,773,093	-40,758	26,462	0	0	18	86,975	113,455	0	72,697	
17	844.70	2,737,887	-35,206	31,820	0	0	43	61,324	93,187	0	57,981	
18	843.28	2,719,222	-18,665	33,605	0	0	100	47,975	81,680	0	63,015	
19	841.26	2,692,823	-26,399	33,642	0	0	21	48,595	82,258	0	55,859	
20	841.93	2,701,559	8,736	33,810	0	0	106	38,926	72,842	0	81,578	
21	843.09	2,716,731	15,172	35,152	0	0	162	27,480	62,794	0	77,966	
22	844.76	2,738,678	21,947	35,417	0	0	99	25,231	60,747	0	82,694	
23	845.01	2,741,974	3,296	34,786	0	0	50	26,859	61,695	0	64,991	
24	844.72	2,738,151	-3,823	34,988	0	0	21	21,257	56,266	0	52,443	
25	844.38	2,733,673	-4,478	35,481	0	0	57	16,512	52,050	0	47,572	
26	843.69	2,724,602	-9,071	35,136	0	0	93	17,033	52,262	0	43,191	
27	844.24	2,731,831	7,229	30,278	0	0	107	586	30,971	0	38,200	
28	844.71	2,738,019	6,188	29,090	0	60	121	0	29,271	0	35,459	
29	845.71	2,751,218	13,199	20,695	0	60	136	0	20,891	0	34,090	
30	846.51	2,761,809	10,591	21,957	0	61	129	0	22,147	0	32,738	
31	847.42	2,773,891	12,082	21,498	2	62	50	0	21,612	0	33,694	
<b>TOTALS</b>			132,839	720,429	34	315	1,673	1,234,672	1,957,123	10,079	2,079,883	

1/ Includes bypass flows

2/ Only occurs when Lake water elevation is greater than or equal to 813.00 and there is no spill.

3/ Evaporation will be zero for days when there is precipitation or heavy overcast.

4/ Does not include pumpback.

**TABLE 5: THERMALITO FOREBAY  
INCLUDING DIVERSION POOL AND POWER CANAL**

DAILY OPERATION

Capacity: 25,120 ac-ft

(in acre-feet except as noted)

March 1995

DATE	STORAGE  1/	STORAGE CHANGE	INFLOW			OUTFLOW					LOSSES (-) AND GAINS (+)	
			LAKE OROVILLE RELEASES 2/	KELLY RIDGE GENERATION	THERMALITO PUMPBACK	THERMALITO GENERATION 3/	BUTTE COUNTY	THERMALITO IRRIGATION DISTRICT	RELEASES TO RIVER 4/	HYATT PUMPBACK		
Feb 28	23,966											
1	23,518	-448	7,985	504	2,713	8,831	1	2	1,254	1,664	103	
2	23,897	379	9,355	541	2,670	9,625	1	2	1,250	1,615	307	
3	24,268	371	11,008	472	2,701	11,011	1	2	1,246	1,770	220	
4	23,433	-835	1,534	454	2,941	2,529	0	2	1,242	2,026	35	
5	23,488	55	1,252	504	2,110	1,627	0	2	1,240	970	28	
6	22,433	-1,055	14,746	500	3,174	16,443	0	2	1,240	2,034	244	
7	22,955	522	23,707	510	0	22,539	0	2	1,240	0	86	
8	23,093	138	28,864	559	0	28,508	0	2	1,248	0	473	
9	22,358	-735	42,705	470	0	33,503	0	1	12,399	0	1,993	
10	22,535	177	101,459	504	0	32,725	0	1	81,524	0	12,464	
11	22,957	422	162,431	407	0	33,967	0	1	132,698	0	4,250	
12	22,220	-737	168,079	421	0	34,208	0	1	139,045	0	4,018	
13	22,161	-59	167,370	583	0	33,386	0	1	138,609	0	3,984	
14	22,129	-32	165,653	415	0	33,208	0	1	137,062	0	4,171	
15	22,068	-61	136,455	494	0	33,139	0	1	104,729	0	859	
16	22,057	-11	113,437	496	0	33,896	0	1	79,937	0	-110	
17	22,786	729	93,144	498	0	34,390	0	1	57,722	0	-800	
18	22,592	-194	81,580	557	0	34,419	0	1	45,823	0	-2,088	
19	22,648	56	82,237	502	0	34,475	0	1	46,021	0	-2,186	
20	22,766	118	72,736	436	0	34,743	0	1	36,897	0	-1,413	
21	22,609	-157	62,632	492	0	34,915	0	1	25,988	0	-2,377	
22	22,715	106	60,648	442	0	34,360	0	1	25,988	0	-635	
23	22,795	80	61,645	97	0	34,263	0	1	25,988	0	-1,410	
24	22,635	-160	56,245	530	0	34,246	0	1	21,028	0	-1,660	
25	22,529	-106	51,993	468	0	34,342	0	1	15,951	0	-2,273	
26	22,754	225	52,169	506	0	34,673	0	1	15,951	0	-1,824	
27	23,236	482	30,864	488	0	29,620	0	1	1,900	0	651	
28	22,775	-461	29,150	498	0	29,359	0	1	1,259	0	510	
29	23,779	1,004	20,755	502	0	19,345	0	1	1,246	0	340	
30	23,808	29	22,018	502	0	21,531	0	1	1,249	0	290	
31	23,289	-519	21,560	492	0	21,650	0	1	1,251	0	331	
<b>TOTALS</b>		<b>-677</b>	<b>1,955,416</b>	<b>14,840</b>	<b>16,309</b>	<b>835,477</b>	<b>3</b>	<b>39</b>	<b>1,160,225</b>	<b>10,079</b>	<b>18,581</b>	

1/ Sum of Thermalito Forebay and Diversion Pool.

2/ Sum of releases from Lake Oroville through Hyatt plant, spill, and spillway leakage.

3/ Includes Bypass flows at Thermalito.

4/ The sum of the flows from fish barrier dam and the fish hatchery.

**TABLE 6: THERMALITO AFTERBAY**  
DAILY OPERATION

Capacity: 57,040 ac-ft

(in acre-feet except as noted)

**March 1995**

DATE	ELEV.	STORAGE	STORAGE CHANGE	INFLOW	OUTFLOW						LOSSES (-) AND GAINS (+)	TOTAL RELEASES TO RIVER 2/	
				THERMALITO GENERATION 1/	SUTTER BUTTE CANAL	WESTERN CANAL LATERAL	RICHVALE CANAL	WESTERN CANAL	RIVER OUTLET	THERMALITO PUMPBACK			
Feb 28	132.42	40,664											
1	132.18	39,778	-886	8,831	0	0	0	0	6,724	2,713	-280	7,978	
2	132.47	40,850	1,072	9,625	0	0	0	0	5,732	2,670	-151	6,982	
3	133.31	44,028	3,178	11,011	0	0	0	0	4,741	2,701	-391	5,987	
4	131.94	38,901	-5,127	2,529	0	0	0	0	4,741	2,941	26	5,983	
5	130.13	32,585	-6,316	1,627	0	0	0	0	5,732	2,110	-101	6,972	
6	131.00	35,556	2,971	16,443	0	0	0	0	9,719	3,174	-579	10,959	
7	131.44	37,104	1,548	22,539	0	0	0	0	19,696	0	-1,295	20,936	
8	131.68	37,962	858	28,508	0	0	0	0	27,174	0	-476	28,422	
9	132.17	39,741	1,779	33,503	0	0	0	0	31,735	0	11	44,134	
10	131.91	38,792	-949	32,725	0	0	0	0	33,321	0	-353	114,845	
11	131.15	36,080	-2,712	33,967	0	0	0	0	34,313	0	-2,366	167,011	
12	130.53	33,936	-2,144	34,208	0	0	0	0	33,718	0	-2,634	172,763	
13	130.41	33,528	-408	33,386	0	0	0	0	31,338	0	-2,456	169,947	
14	131.07	35,800	2,272	33,208	0	0	0	0	29,156	0	-1,780	166,218	
15	131.88	38,684	2,884	33,139	0	0	0	0	28,958	0	-1,297	133,687	
16	132.95	42,652	3,968	33,896	0	0	0	0	28,958	0	-970	108,895	
17	133.51	44,801	2,149	34,390	0	0	0	0	31,338	0	-903	89,060	
18	133.44	44,529	-272	34,419	0	0	0	0	33,916	0	-775	79,739	
19	133.36	44,220	-309	34,475	0	0	0	0	33,916	0	-868	79,937	
20	133.46	44,607	387	34,743	0	0	0	0	33,916	0	-440	70,813	
21	133.53	44,878	271	34,915	0	0	0	0	33,916	0	-728	59,904	
22	133.64	45,306	428	34,360	0	0	0	0	33,916	0	-16	59,904	
23	133.55	44,956	-350	34,263	0	0	0	0	33,916	0	-697	59,904	
24	133.53	44,878	-78	34,246	0	0	0	0	33,916	0	-408	54,944	
25	133.49	44,723	-155	34,342	0	0	0	0	33,916	0	-581	49,867	
26	133.53	44,878	155	34,673	0	0	0	0	33,916	0	-602	49,867	
27	133.47	44,646	-232	29,620	0	0	0	0	28,958	0	-894	30,858	
28	133.66	45,384	738	29,359	0	0	0	0	27,569	0	-1,052	28,828	
29	132.07	39,375	-6,009	19,345	0	0	0	0	24,593	0	-761	25,839	
30	131.73	38,142	-1,233	21,531	0	0	0	0	21,619	0	-1,146	22,868	
31	131.47	37,211	-931	21,650	0	0	0	0	21,619	0	-963	22,870	
<b>TOTALS</b>			-3,453	835,477	0	0	0	0	796,700	16,309	-25,922	1,956,925	

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

# TABLE 7: OROVILLE THERMALITO COMPLEX

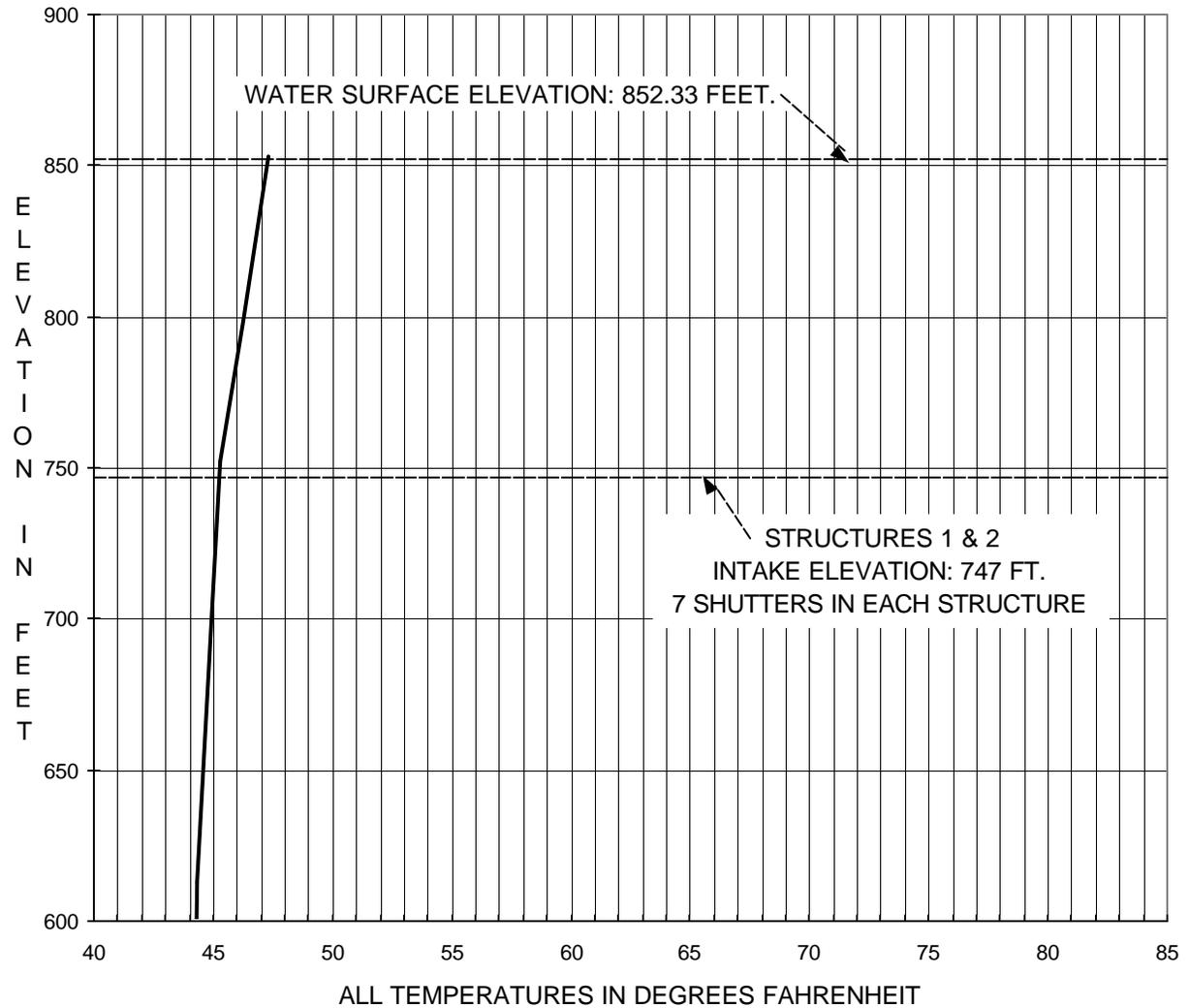
WATER TEMPERATURE DATA

March 1995

DATE	MEAN DAILY TEMP.	
	AFTERBAY OUTLET	FISH HATCHERY
1	49	46
2	49	46
3	49	46
4	50	46
5	50	46
6	50	46
7	49	46
8	47	46
9	47	46
10	47	46
11	47	47
12	47	47
13	47	47
14	47	47
15	48	47
16	48	47
17	48	47
18	48	47
19	48	47
20	47	47
21	47	46
22	46	46
23	44	45
24	45	46
25	46	46
26	47	47
27	47	47
28	48	47
29	49	47
30	49	47
31	49	46

## LAKE OROVILLE TEMPERATURE PROFILE

on March 15, 1995



**TABLE 8: AQUEDUCT OPERATION  
DELTA FIELD DIVISION**

(in acre-feet except as noted)

**March 1995**

NORTH BAY AQUEDUCT

Pumped at Barker Slough	<u>929</u>
Travis Turnout	<u>95</u>
Fairfield/Vacaville Turnout	<u>364</u>
Pumped at Cordelia	<u>430</u>
Cordelia Spillway	<u>0</u>
Computed Losses (-) or Gains (+)	<u>-40</u>
Benicia Turnout	<u>54</u>
Vallejo Turnout	<u>0</u>
American Canyon 1	<u>96</u>
American Canyon 2	<u>0</u>
Napa Treatment Plant	<u>280</u>
Total Deliveries (After Cordelia)	<u>430</u>
Change in Storage at Napa Terminal Tank	<u>0</u>

CALIFORNIA AQUEDUCT

Amount Pumped at Banks Pumping Plant	<u>30,927</u>
Amount Pumped at South Bay Pumping Plant	<u>1,584</u>
Deliveries From California Aqueduct ( Oak Flat Water District, Tracy Golf, Veterans Cemetery, and Musco Olive)	<u>16</u>
Inflow into California Aqueduct	<u>0</u>
Change in Storage	<u>282</u>
Flow Past Check 12	<u>28,304</u>
Computed Losses (-) or Gains (+)	<u>-741</u>

Note: Individual pool elevation and storage changes for pools 1-12 are available at Project Operations Center.

**TABLE 9: DELTA FIELD DIVISION PUMPING DATA**

(in acre-feet)

**March 1995**

DATE	NORTH BAY AQUEDUCT		CALIFORNIA AQUEDUCT		SOUTH BAY AQUEDUCT	
	BARKER SLOUGH	CORDELIA	BANKS		SOUTH BAY	DEL VALLE INTO LAKE
			TOTAL	SWP		
1	27	28	5,750	5,750	0	0
2	29	38	4,889	4,889	0	0
3	54	58	3,511	3,511	54	0
4	31	33	3,819	3,819	60	0
5	21	13	3,663	3,663	33	0
6	29	30	3,562	3,562	65	0
7	23	22	3,466	3,466	124	0
8	43	22	836	836	124	0
9	41	18	367	367	125	0
10	42	19	364	364	92	0
11	46	25	0	0	62	0
12	42	18	0	0	59	0
13	65	28	0	0	32	0
14	39	19	0	0	0	0
15	30	12	0	0	7	0
16	25	2	0	0	37	0
17	21	0	0	0	91	0
18	18	5	0	0	56	0
19	18	0	0	0	68	0
20	34	7	700	700	71	0
21	18	0	0	0	67	0
22	20	2	0	0	60	0
23	27	8	0	0	30	0
24	21	0	0	0	0	0
25	18	3	0	0	33	0
26	22	4	0	0	18	0
27	21	0	0	0	8	0
28	22	0	0	0	30	0
29	30	10	0	0	43	0
30	24	0	0	0	50	0
31	28	6	0	0	85	0
<b>TOTAL</b>	<b>929</b>	<b>430</b>	<b>30,927</b>	<b>30,927</b>	<b>1,584</b>	<b>0</b>

**TABLE 10: CLIFTON COURT FOREBAY**  
DAILY OPERATION OF GATES

**March 1995**

Date	Time Opened	Time Closed	Daily Amount of inflow in Acre-Feet	Date	Time Opened	Time Closed	Daily Amount of inflow in Acre-Feet
1	02:40 15:30	10:10 16:40	5,879	16	---	---	0
2	00:39 02:34	01:15 07:48	5,191	17	---	---	0
3	03:05 19:00	11:04 19:40	5,971	18	---	---	0
4	05:32 19:50	10:40 20:50	3,884	19	---	---	0
5	05:47 20:25	10:30 23:00	3,879	20	---	---	0
6	05:30 22:00	12:40 23:40	3,843	21	---	---	0
7	06:10 23:30	13:06 ---	2,839	22	---	---	0
8	--- 09:09 12:17	01:35 11:31 14:33	1,268	23	---	---	0
9	---	---	0	24	---	---	0
10	---	---	0	25	---	---	0
11	---	---	0	26	---	---	0
12	---	---	0	27	---	---	0
13	---	---	0	28	---	---	0
14	---	---	0	29	---	---	0
15	---	---	0	30	---	---	0
				31	---	---	0
Total inflow for the month: 32,754 AF							

**TABLE 11: GOVERNOR EDMUND G. BROWN CALIFORNIA AQUEDUCT**

DELTA FIELD DIVISION, MONTHLY DELIVERIES

(In acre-feet)

**March 1995**

Reach No.	Operating Pool			Turnout	Total Diver- sions	Deliveries						
	Beginning and Ending					Entitle- ment	USBR	Misc.	Loan Water	1994 Carryover Ent.	Oper. Flood Loss	
	No.	Structure	Mile									
1		Delta P.P. Outlet	3.32		30,927							
2A	1			South Bay Aqueduct	1,584							
		Check No. 1	5.95									
	2	Check No. 2	12.01									
	3			12.47	Musco Olive	15		15				
		Check No. 3		18.29								
	4			22.16	Tracy Golf & Country Club	0						
		Check No. 4		23.99								
	5	Check No. 5	29.73									
	6	Check No. 6	34.24									
				35.22	Turlock Fruit Company Inflow	0						
	7	Check No. 7	39.91									
				42.46	Oak Flat Water District-A	0						
8			43.81	Oak Flat Water District-B	0							
			44.64	Oak Flat Water District-C	0							
	Check No. 8	45.97										
9			46.18	Oak Flat Water District-D	1	1						
				Oak Flat Totals:	1	1	0	0	0	0	0	
2B		Check No. 9	51.30									
	10	Check No. 10	56.86									
	11	Check No. 11	61.40									
	12			66.14	Veteran's Cemetery	0						
Check No. 12		66.71			28,304							

**TABLE 12: SOUTH BAY AQUEDUCT**  
DELTA FIELD DIVISION, MONTHLY DELIVERIES

**March 1995**

(In acre-feet)

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries					
	Beginning and Ending					Entitle-ment	1994 Carryover M&I Ent.	Local	Rec.	Drought Bank	Oper. Flood Loss
	No.	Structure	Mile								
1	1		3.17	Zone 7 Oakland Scavenger	0	3	17	221	15	2	560
		Check 1	3.91								
2	2	Check No. 2		Zone 7 Altamont	0						
	3	Check No. 3	7.21	Zone 7 Patterson	221						
4	4	Check No. 4	10.68								
	5	Check No. 5	12.29								
4	6	Check No. 6	13.55	Zone 7 Wente #1	3						
			14.16	Zone 7 Wente #2	17						
			14.65								
			14.78	Zone 7 Arroyo Mocho	15						
5	8	Del Valle Branch Pipeline	16.57	Zone 7 Wente #3	0						
			16.70	Zone 7 Norman Nursery	0						
				Zone 7 Concannon	0						
				Zone 7 Wente #5	0						
6	8	Del Valle Branch Pipeline	18.63	Lake Del Valle Recreation	2						
			18.63	Arroyo Valle #1 & #2 Zone 7 Inflow Releases	0						
7	8	La Costa Tunnel	18.63	Arroyo Valle #1 & #2 Zone 7 Flood Releases	0						
			18.63	Arroyo Valle #2 Project	0						
8	8	Mission Tunnel	19.20	Zone 7 South Livermore	1,261						
			19.20	Zone 7 Kalthrof Detjens	0						
9	8	Santa Clara Pipeline	22.47	ACWD Vallecitos - Flood Release	560						
			22.47	City of San Francisco San Antonio Sunol	0						
9	8	Santa Clara Pipeline	28.97	ACWD - Bayside 1 & 2 Inflow Exchanged:	0						
			28.97	Inflow Released:	1,355						
9	8	Santa Clara Pipeline	35.86	S.C.V.W.D. Meter	1,579						

## TABLE 13: LAKE DEL VALLE

### DAILY OPERATION

(in acre-feet except as noted)

Capacity: 77,106 ac-ft

March 1995

DATE	WATER SURFACE ELEVATION (feet)	STORAGE	STORAGE CHANGE	INFLOW		OUTFLOW					PRECIP. (inches)	
				NATURAL 1/, 3/	FROM SOUTH BAY AQUEDUCT	TO ARROYO VALLE 3/	TO SOUTH BAY AQUEDUCT 3/	RECREATION DELIVERIES 2/, 3/	EVAP.	TOTAL OUTFLOW 3/		
Feb 28	698.78	36,998										
1	698.62	36,890	-108						1			0.03
2	698.46	36,783	-107						NR			0.00
3	698.31	36,682	-101						2			0.77
4	698.21	36,615	-67						1			Trace
5	698.15	36,574	-41						1			0.15
6	698.10	36,541	-33						3			0.00
7	698.11	36,548	7						3			0.00
8	698.16	36,581	33						3			0.02
9	699.21	37,289	708						0			0.65
10	707.25	42,993	5,704						1			0.83
11	712.16	46,735	3,742						2			0.69
12	709.10	44,379	-2,356						2			0.22
13	704.77	41,179	-3,200						3			0.11
14	701.31	38,730	-2,449						0			0.01
15	700.52	38,184	-546						4			0.12
16	700.77	38,356	172						6			0.00
17	701.04	38,543	187						6			0.00
18	701.25	38,688	145						2			0.05
19	701.38	38,779	91						3			Trace
20	702.08	39,267	488						0			1.17
21	702.27	39,400	133						0			0.26
22	704.98	41,330	1,930						0			1.11
23	713.51	47,801	6,471						1			1.32
24	713.10	47,476	-325						0			0.05
25	710.50	45,447	-2,029						6			0.00
26	707.41	43,112	-2,335						4			0.00
27	704.00	40,626	-2,486						7			0.00
28	701.61	38,939	-1,687						8			0.00
29	701.84	39,099	160						6			0.00
30	701.97	39,190	91						8			0.00
31	702.18	39,337	147						8			0.00
<b>Totals</b>			2,339	30,182	0	26,845	907	2	89	27,843		7.56

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ To East Bay Regional Park District.

3/ Not available on a daily basis.

NR=No Records

# TABLE 14: CONSOLIDATED STATE-FEDERAL O'NEILL FOREBAY

## DAILY OPERATIONS

March 1995

United States  
Department of the Interior  
Bureau of Reclamation  
Central Valley Project

State of California  
The Resources Agency  
Department of Water Resources  
State Water Project

Capacity: 56,430 Acre-feet

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	INFLOW (cfs)					RELEASE (cfs)				Computed Losses (-) Gains (+) (cfs)
				Pump In 1/	O'Neill Pump.	Gianelli Gen.	Calif. Aq.	B.F.Sisk San Luis Dam Spill	O'Neill Gen.	Gianelli Pump.	D.A. Pump.	Del. 2/	
Feb 28	219.34	41,451											
1	220.21	43,697	2,246	1	2,877	88	2,460	0	0	971	3,573	22	272
2	220.51	44,479	782	1	2,918	0	2,289	0	0	1,018	4,144	14	362
3	220.63	44,792	313	0	2,948	0	1,744	0	0	562	4,257	14	299
4	220.70	44,975	183	0	2,957	0	2,010	0	0	564	4,568	16	273
5	220.40	44,192	-783	0	2,979	0	1,953	0	0	1,499	4,013	16	201
6	220.65	44,844	652	0	3,153	0	1,659	0	0	561	3,963	16	57
7	221.51	47,099	2,255	0	3,362	0	1,550	0	0	396	3,444	16	81
8	222.64	50,086	2,987	0	3,370	0	596	0	0	0	2,591	16	147
9	223.46	52,276	2,190	0	3,443	0	8	0	0	0	2,383	16	52
10	224.64	55,455	3,179	0	3,011	0	0	6	0	0	1,511	18	115
11	224.71	55,645	190	0	513	0	0	42	0	0	0	12	-447
12	224.71	55,645	0	0	241	0	0	60	0	0	0	12	-289
13	224.72	55,672	27	0	71	0	0	65	0	0	0	12	-110
14	225.19	56,950	1,278	0	0	0	0	65	0	0	473	12	1,064
15	224.87	56,079	-871	0	0	0	0	63	27	0	420	12	-43
16	223.64	52,759	-3,320	0	191	0	0	57	5	0	1,978	16	77
17	222.93	50,859	-1,900	0	1,008	619	0	51	0	0	2,640	16	20
18	222.81	50,539	-320	0	1,952	516	0	9	0	0	2,625	16	3
19	223.11	51,340	801	0	2,434	0	0	0	0	0	1,922	12	-96
20	223.76	53,081	1,741	0	2,447	0	0	0	0	0	1,550	12	-7
21	223.68	52,866	-215	0	2,529	0	0	0	0	0	2,659	12	34
22	224.05	53,861	995	0	2,488	0	0	1	0	0	1,782	12	-193
23	224.32	54,589	728	0	2,156	0	0	19	0	0	1,821	12	25
24	223.82	53,242	-1,347	0	619	692	0	24	0	0	2,205	0	191
25	222.85	50,646	-2,596	0	513	865	0	7	0	0	2,645	0	-49
26	221.51	47,099	-3,547	0	460	0	0	0	0	0	2,374	0	126
27	221.16	46,180	-919	0	1,306	0	0	0	0	0	1,763	0	-6
28	222.05	48,517	2,337	0	2,375	897	0	0	0	0	2,080	0	-14
29	221.34	46,653	-1,864	0	2,280	89	0	0	0	0	2,758	0	-551
30	221.06	45,918	-735	0	2,444	0	0	0	0	0	2,906	4	95
31	221.19	46,259	341	0	2,608	0	0	0	0	0	2,527	8	99
TOTAL			4,808	2	59,653	3,766	14,269	469	32	5,571	71,575	344	1,788
MEAN CFS			- - -	0	1,924	121	460	15	1	180	2,309	11	58
ACRE-FEET			4,808	4	118,321	7,468	28,304	927	63	11,051	141,969	683	3,550

1/ Pump-in located at Mile 79.67R.

2/ Includes 69 AF delivered to DFG at O'Neill Forebay

**TABLE 15: CONSOLIDATED STATE-FEDERAL SAN LUIS RESERVOIR**

**DAILY OPERATIONS**

**March 1995**

United States  
Department of the Interior  
Bureau of Reclamation  
Central Valley Project

State of California  
The Resources Agency  
Department of Water Resources  
State Water Project

Capacity: 2,027,835 ac-ft

DATE	WATER SURFACE ELEV. (in feet)	STORAGE STORAGE (ac-ft)	STORAGE CHANGE (ac-ft)	INFLOW (cfs)		OUTFLOW (cfs)			COMPUTED LOSSES(-) GAINS(+) (cfs)	EVAP. (in)	PREC. (in)
				GIANELLI PUMP.	GIANELLI GEN.	PACHECO TUNNEL 1/	B.F. SISK SAN LUIS DAM SPILL				
Feb 28	542.70	2,024,025									
1	542.81	2,025,422	1,397	971	88	197	0	18	0.03	0.00	
2	542.96	2,027,327	1,905	1,018	0	198	0	140	0.06	0.01	
3	543.06	2,028,598	1,271	562	0	211	0	290	0.08	0.24	
4	543.13	2,029,488	890	564	0	215	0	100	0.06	0.06	
5	543.36	2,032,412	2,924	1,499	0	214	0	189	0.03	0.44	
6	543.42	2,033,175	763	561	0	213	0	37	0.06	0.00	
7	543.48	2,033,938	763	396	0	180	0	169	0.08	0.00	
8	543.47	2,033,811	-127	0	0	157	0	93	0.10	0.00	
9	543.56	2,034,956	1,145	0	0	139	0	716	0.07	0.19	
10	544.03	2,040,938	5,982	0	0	115	6	3,137	0.14	1.22	
11	544.14	2,042,339	1,401	0	0	115	42	863	0.33	1.86	
12	544.16	2,042,594	255	0	0	129	60	318	0.03	0.16	
13	544.17	2,042,722	128	0	0	143	65	273	0.20	0.01	
14	544.16	2,042,594	-128	0	0	122	65	122	0.05	0.03	
15	544.16	2,042,594	0	0	0	129	63	192	0.11	0.02	
16	544.12	2,042,085	-509	0	0	142	57	-58	0.20	0.00	
17	543.98	2,040,302	-1,783	0	619	147	51	-82	0.16	0.00	
18	543.86	2,038,774	-1,528	0	516	145	9	-100	0.09	0.00	
19	543.84	2,038,519	-255	0	0	150	0	21	0.06	0.00	
20	543.85	2,038,646	127	0	0	188	0	252	0.15	0.00	
21	543.84	2,038,519	-127	0	0	163	0	99	0.10	0.16	
22	543.93	2,039,665	1,146	0	0	158	1	737	0.13	0.06	
23	544.04	2,041,066	1,401	0	0	146	19	871	0.14	0.39	
24	543.98	2,040,302	-764	0	692	127	24	458	0.12	0.22	
25	543.84	2,038,519	-1,783	0	865	133	7	106	0.15	0.00	
26	543.81	2,038,137	-382	0	0	130	0	-63	0.15	0.00	
27	543.79	2,037,883	-254	0	0	126	0	-2	0.24	0.00	
28	543.63	2,035,846	-2,037	0	897	148	0	18	0.19	0.00	
29	543.59	2,035,337	-509	0	89	154	0	-14	0.20	0.00	
30	543.56	2,034,956	-381	0	0	143	0	-49	0.17	0.00	
31	543.52	2,034,447	-509	0	0	150	0	-107	0.21	0.00	
TOTAL			10,422	5,571	3,766	4,827	469	8,745	3.89	5.07	
MEAN CFS			---	180	121	156	15	282	---	---	
ACRE-FEET			10,422	11,051	7,468	9,575	927	17,341	---	---	

1/ Pacheco Tunnel, San Felipe Split; Santa Clara: 9,059 AF, San Benito: 516 AF

**TABLE 16: SAN LUIS FIELD DIVISION PLANT DATA**

**March 1995**

(in acre-feet)

DATE	DOS AMIGOS PUMPING PLANT		WILLIAM R. GIANELLI PUMPING-GENERATING PLANT				SAN FELIPE PROJECT
	TOTAL PUMPING	SWP PUMPING 1/, 2/	TOTAL GENERATION	SWP GENERATION 1/, 2/	TOTAL PUMPING	SWP PUMPING 1/, 2/	FEDERAL
	1	7,087	4,243	175	175	1,926	2
2	8,220	5,341	0	0	2,020	-20	393
3	8,444	5,569	0	0	1,115	-18	419
4	9,061	6,218	0	0	1,118	-15	426
5	7,960	5,163	0	0	2,974	-39	424
6	7,861	5,168	0	0	1,113	-19	422
7	6,831	4,111	0	0	785	-14	357
8	5,139	2,234	0	0	0	0	311
9	4,727	1,889	0	0	0	0	276
10	2,997	1,005	0	0	0	0	228
11	0	0	0	0	0	0	228
12	0	0	0	0	0	0	256
13	0	0	0	0	0	0	284
14	938	92	0	0	0	0	242
15	833	-1	0	0	0	0	256
16	3,923	614	0	0	0	0	282
17	5,236	2,179	1,227	1,227	0	0	292
18	5,207	4,044	1,024	1,024	0	0	288
19	3,812	2,631	0	0	0	0	298
20	3,074	1,863	0	0	0	0	373
21	5,274	4,097	0	0	0	0	323
22	3,535	2,356	0	0	0	0	313
23	3,612	2,410	0	0	0	0	290
24	4,374	3,123	1,372	1,372	0	0	252
25	5,246	4,076	1,715	1,715	0	0	264
26	4,709	3,521	0	0	0	0	258
27	3,497	2,315	0	0	0	0	250
28	4,126	2,897	1,779	1,779	0	0	294
29	5,470	4,252	176	176	0	0	305
30	5,764	4,536	0	0	0	0	284
31	5,012	3,720	0	0	0	0	298
<b>TOTAL</b>	<b>141,969</b>	<b>89,666</b>	<b>7,468</b>	<b>7,468</b>	<b>11,051</b>	<b>-123</b>	<b>9,575</b>

1/ Negative values in SWP columns indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

# TABLE 17: CONSOLIDATED STATE-FEDERAL LOS BANOS RESERVOIR

## DAILY OPERATIONS

**March 1995**

United States

State of California

Department of the Interior

The Resources Agency

Bureau of Reclamation

Capacity: 34,560 ac-ft

Department of Water Resources

Central Valley Project

State Water Project

DATE	WATER SURFACE ELEVATION (in feet)	STORAGE (ac-ft)	STORAGE CHANGE (ac-ft)	ESTIMATED INFLOW (cfs)	ESTIMATED OUTFLOW (cfs)		COMPUTED LOSSES (-) GAINS (+) (ac-ft)	EVAP. (in.)	PREC. (in.)
					SPILL	OUTLET			
Feb 28	328.77	21,034							
1	328.80	21,048	14	7	0	0	0	0.04	Trace
2	328.83	21,062	14	7	0	0	0	0.13	0.02
3	328.84	21,067	5	3	0	0	-1	0.09	0.02
4	328.92	21,105	38	19	0	0	0	0.11	0.00
5	329.01	21,148	43	22	0	0	-1	0.07	0.53
6	329.08	21,181	33	17	0	0	-1	0.05	Trace
7	329.14	21,210	29	15	0	0	-1	0.14	0.00
8	328.80	21,048	-162	10	0	92	1	0.08	0.00
9	329.01	21,148	100	250	0	200	1	0.05	0.09
10	338.30	25,825	4,677	2,694	0	336	0	0.12	1.33
11	339.43	26,429	604	979	0	674	-1	0.11	0.61
12	338.72	26,049	-380	608	0	800	1	0.17	0.71
13	336.25	24,750	-1,299	145	0	800	0	0.17	0.02
14	333.86	23,527	-1,223	75	0	692	1	0.05	0.01
15	332.06	22,628	-899	62	0	515	0	0.13	0.00
16	330.76	21,991	-637	62	0	383	0	0.17	0.00
17	329.91	21,579	-412	56	0	264	1	0.19	0.00
18	329.29	21,282	-297	50	0	200	1	0.18	0.00
19	328.88	21,086	-196	43	0	142	0	0.04	Trace
20	328.89	21,091	5	45	0	42	-1	0.13	0.00
21	329.47	21,368	277	140	0	0	-1	0.10	0.01
22	330.25	21,743	375	259	0	70	0	0.17	Trace
23	332.29	22,742	999	804	0	300	-1	0.11	0.12
24	331.88	22,539	-203	298	0	400	-1	0.16	0.12
25	331.25	22,230	-309	148	0	304	0	0.18	0.00
26	330.90	22,059	-171	114	0	200	0	0.23	0.00
27	330.90	22,059	0	83	0	83	0	0.15	0.00
28	331.17	22,191	132	67	0	0	-1	0.20	0.00
29	331.40	22,303	112	56	0	0	1	0.23	0.00
30	331.58	22,392	89	45	0	0	0	0.19	0.00
31	331.74	22,471	79	40	0	0	0	0.22	0.00
TOTAL			1,437	7,223	0	6,497	-3	4.16	3.59
MEAN CFS			---	233	0	---	---	---	---
ACRE-FEET			1,437	14,327	0	12,887	-3	---	---

# TABLE 18: CONSOLIDATED STATE-FEDERAL LITTLE PANOCHÉ RESERVOIR

## DAILY OPERATIONS

March 1995

United States  
Department of the Interior  
Bureau of Reclamation  
Central Valley Project

State of California  
The Resources Agency  
Department of Water Resources  
State Water Project

Capacity = 5,580 ac-ft

DATE	ELEVATION (in feet)	STORAGE (ac-ft)	STORAGE CHANGE (ac-ft)	ESTIMATED INFLOW (cfs)	ESTIMATED OUTFLOW (cfs)		COMPUTED LOSSES (-) GAINS (+) (ac-ft)
					SPILL	OUTLET	
		1/	1/				1/
Feb 28	599.55	661					
1	Not Observed			0	0	0	
2	599.28	648	-13	0	0	2	
3	599.25	647	-1	1	0	2	
4	Not Observed			2	0	2	
5	Not Observed			1	0	2	
6	Not Observed			2	0	2	
7	Not Observed			1	0	2	
8	Not Observed			2	0	2	
9	599.20	644	-3	1	0	2	
10	613.70	1,696	1,052	980	0	450	
11	605.80	1,034	-662	0	0	260	
12	603.80	900	-134	12	0	80	
13	603.20	863	-37	21	0	40	
14	603.00	850	-13	23	0	30	
15	602.85	841	-9	2	0	7	
16	602.73	834	-7	4	0	8	
17	602.65	829	-5	5	0	8	
18	602.60	826	-3	2	0	4	
19	602.58	825	-1	3	0	4	
20	602.45	818	-7	0	0	4	
21	Not Observed			8	0	4	
22	602.70	832	14	9	0	5	
23	603.00	850	18	24	0	15	
24	603.05	853	3	14	0	12	
25	Not Observed			8	0	12	
26	Not Observed			8	0	12	
27	602.70	832	-21	0	0	4	
28	Not Observed			2	0	4	
29	Not Observed			2	0	4	
30	Not Observed			2	0	4	
31	602.50	821	-11	3	0	4	
TOTAL			160	1,142	0	991	---
MEAN CFS			---	37	0	32	---
ACRE-FEET			160	2,265	0	1,966	-139

1/ Not available on a daily basis

**TABLE 19: GOVERNOR EDMUND G. BROWN CALIFORNIA AQUEDUCT**  
SAN LUIS FIELD DIVISION

March 1995

Pool	*Flow into Aqueduct in Acre-Feet	USBR Customer	Deliveries in Acre-Feet
13		DFG @ O'Neill Forebay	69
13	4	San Luis Water District	614
14		City of Dos Palos	59
14		Pacheco Water District	1,182
14		San Luis Water District	2,482
14		Panoche Water District	4
15		Broadview Water District	6
15		San Luis Water District	62
15		Panoche Water District	1,131
15	1,234	Westlands Water District	2,683
16		DFG @ Lat. 4L	0
16	190	Westlands Water District	3,316
17	329	Westlands Water District	4,278
18		City of Coalinga	157
18	10,688	Westlands Water District	4,563
19	7,081	Westlands Water District	3,786
20		City of Huron	53
20	13	Westlands Water District	2,013
21		City of Avenal	154
21	520	Westlands Water District	375
<b>Total:</b>	<b>20,059</b>		<b>26,987</b>
<hr/> <b>Agency Totals</b> <hr/>			
		Pacheco Water District	1,182
		Broadview Water District	6
		San Luis Water District	3,158
		Panoche Water District	1,135
		Westlands Water District	21,014
		City of Huron	53
		City of Avenal	154
		City of Dos Palos	59
		City of Coalinga	157
		DFG	69
		<b>Total:</b>	<b>26,987</b>

\* Flow into Aqueduct - 4 acre-feet Non-Project Water (Well Water Pump-in), and 20,055 acre-feet Flood Water.

**TABLE 20: CONSOLIDATED STATE-FEDERAL SAN LUIS CANAL 1/  
DAILY OPERATIONS  
March 1995**

United States  
Department of the Interior  
Bureau of Reclamation  
Central Valley Project

State of California  
The Resources Agency  
Department of Water Resources  
State Water Project

DATE	STORAGE IN CANAL	STORAGE CHANGE	INFLOW (cfs)		OUTFLOW (cfs)				COMPUTED LOSSES(-) GAINS(+) (cfs)	EVAP. (in)	PREC. (in)
			NON- PROJECT 2/	DOS AMIGOS PUMPING	SLWD 3/	PWD	WWD 4/	SJFD			
Feb 28	29,671										
1	28,718	-953	0	3,573	155	33	239	2,772	-855	0.03	Trace
2	28,594	-124	0	4,144	150	34	707	2,943	-373	0.06	0.01
3	28,371	-223	0	4,257	141	31	611	3,110	-476	0.08	0.24
4	28,058	-313	1	4,568	151	26	569	3,500	-480	0.06	0.06
5	28,020	-38	64	4,013	152	27	525	3,201	-191	0.03	0.44
6	28,852	832	71	3,963	155	23	502	2,766	-168	0.06	Trace
7	29,104	252	31	3,444	113	15	491	2,585	-144	0.08	0.00
8	28,262	-842	8	2,591	126	19	360	2,438	-80	0.10	0.00
9	28,568	306	5	2,383	106	21	335	1,808	36	0.07	0.19
10	31,605	3,037	2,427	1,511	10	10	246	2,158	17	0.14	1.22
11	31,452	-153	4,143	0	10	0	214	4,788	792	0.33	1.86
12	30,543	-909	1,163	0	4	0	164	1,548	95	0.03	0.16
13	29,201	-1,342	671	0	4	0	164	1,395	215	0.20	0.01
14	28,688	-513	198	473	26	21	99	914	130	0.05	0.03
15	27,552	-1,136	112	420	56	4	91	1,034	80	0.11	0.02
16	27,261	-291	124	1,978	78	5	258	1,797	-111	0.20	0.00
17	27,490	229	115	2,640	40	18	351	2,151	-80	0.16	0.00
18	27,903	413	113	2,625	43	24	341	2,032	-90	0.09	0.00
19	27,414	-489	89	1,922	35	22	347	1,831	-22	0.06	0.00
20	26,787	-627	69	1,550	35	18	392	1,577	87	0.15	0.00
21	27,726	939	63	2,659	34	12	317	1,857	-29	0.10	0.16
22	27,744	18	71	1,782	38	10	388	1,580	172	0.13	0.06
23	27,386	-358	201	1,821	25	2	356	2,025	205	0.14	0.39
24	27,332	-54	127	2,205	27	17	193	2,023	-99	0.12	0.22
25	28,318	986	73	2,645	16	25	208	1,889	-83	0.15	0.00
26	28,466	148	57	2,374	17	25	205	1,962	-148	0.15	0.00
27	27,545	-921	36	1,763	24	38	228	1,847	-127	0.24	0.00
28	26,222	-1,323	26	2,080	24	28	348	2,252	-121	0.19	0.00
29	26,495	273	20	2,758	35	22	433	1,947	-204	0.20	0.00
30	27,009	514	21	2,906	36	19	465	1,877	-271	0.17	0.00
31	26,836	-173	15	2,527	42	23	635	1,680	-249	0.21	0.00
TOTAL		-2,835	10,114	71,575	1,908	572	10,782	67,285	-2,571	3.89	5.07
MEAN CFS		---	359	2,264	64	18	330	2,206	-83	---	---
ACRE-FEET		-2,835	20,055	141,969	3,785	1,135	21,386	133,460	-5,093	---	---

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Pump In of Non-Project Water (0 AF) and Flood Water(20,055 AF) is included in the gain or loss on a daily average basis.

3/ Includes 1,181 AF AG & 1 AF M&I to Pacheco W.D. and 59 AF to the City of Dos Palos.

4/ Includes 53 AF to the City of Huron, 154 AF to the City of Avenal, 157 AF to the City of Coalinga, 2 AF Phase I Water, and 6 AF to Broadview W.D.

**TABLE 21: SAN JOAQUIN FIELD DIVISION PUMPING DATA**

DAILY AMOUNTS PUMPED

(in acre-feet)

**March 1995**

DATE	COASTAL AQUEDUCT		CALIFORNIA AQUEDUCT			
	LAS PERILLAS	BADGER HILL	BUENA VISTA	JOHN R. TEERINK	IRA J. CHRISMAN	A.D. EDMONSTON
1	170	85	2,614	2,756	2,650	2,611
2	192	193	2,731	2,691	2,682	2,686
3	181	198	3,012	2,974	2,964	2,900
4	189	205	2,728	2,768	2,635	2,659
5	138	147	2,054	1,985	1,947	1,963
6	149	162	2,049	1,954	1,932	1,963
7	135	138	1,996	2,015	1,963	1,991
8	102	111	1,943	1,934	2,046	1,964
9	113	114	2,049	1,998	1,984	1,933
10	28	39	2,220	2,166	2,198	2,154
11	0	0	2,668	2,527	2,507	2,454
12	0	0	1,847	1,977	1,865	1,909
13	0	7	1,551	1,605	1,562	1,593
14	89	88	1,392	1,432	1,449	1,442
15	73	78	1,471	1,519	1,521	1,524
16	189	189	2,936	2,998	2,940	3,005
17	240	240	3,312	3,333	3,305	3,180
18	181	181	3,234	3,333	3,299	3,223
19	113	113	3,285	3,333	3,335	3,223
20	46	46	2,413	2,310	2,352	2,368
21	82	82	3,097	3,173	3,153	3,131
22	107	107	2,806	2,771	2,799	2,776
23	128	136	2,819	2,811	2,830	2,837
24	92	101	3,090	3,201	3,181	3,130
25	107	112	3,201	3,210	3,166	3,189
26	56	61	3,337	3,333	3,351	3,270
27	101	101	3,088	3,317	3,296	3,232
28	162	170	3,263	3,285	3,277	3,208
29	162	170	3,254	3,283	3,222	3,166
30	119	131	3,046	2,883	2,840	2,879
31	71	75	2,856	2,862	2,854	2,821
<b>TOTAL</b>	<b>3,515</b>	<b>3,580</b>	<b>81,362</b>	<b>81,737</b>	<b>81,105</b>	<b>80,384</b>

**TABLE 22a: GOVERNOR EDMUND G. BROWN CALIFORNIA AQUEDUCT**  
**SAN JOAQUIN FIELD DIVISION, MONTHLY DELIVERIES**

(In acre-feet)

**March 1995**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries								
	Beginning and Ending					Entitlement	1994 Ent. CY-OV	Interup- table Ent.	USBR	Drought Bank	Oper. Flood Loss			
	No.	Structure	Mile											
8C	21	Check No. 21	172.40		133,460									
	22		172.66	Empire West Side Irrig. Dist. TL - A	108	2	106							
				Kings County TL - A	400								400	
				Tulare Lake Basin WSD TL - A	1,367									149
	8D			180.65	DRWD - 1	117	117							
					DRWD - 1A	170								170
					Dudley Ridge Water Dist. DRWD - 2	44								
					Tulare Lake Basin WSD TL - B	3,636								301
	31A			184.63	Coastal Branch									
	8D			184.78	Dudley Ridge Water Dist. DRWD - 3	34	34							
Dudley Ridge Total:					365	365								
Tulare Lake Basin WSD Total:					5,003									450
9	23			Kern County Water Agency Lost Hills Water Dist. - 1	202	411	0	180	0	0	0	0		
				Kern County Water Agency Lost Hills Water Dist. - 2	0									
				Kern County Water Agency Lost Hills Water Dist. - 3	125									
				Kern County Water Agency Berrenda Mesa - 2	4									
				Kern County Water Agency Lost Hills Water Dist. - 4	260									
				K.C.W.A. Reach 9 Subtotal:	591									
				Check No. 23	197.05									
	10A	24			Kern County Water Agency Lost Hills Water Dist. - 7	321	0	0	0	91	0	0	0	
					Kern County Water Agency Lost Hills Water Dist. - 5	201								
					Kern County Water Agency Lost Hills Water Dist. - 6	0								
Kern County Water Agency Lost Hills Water Dist. - 8					0									
Check No. 24					207.94									
25					Kern County Water Agency Belridge Water Storage Dist. - 1A	464	0	0	0	91	0	0	0	
					Kern National Wildlife Refuge USBR BV-1B	91								
					Kern County Water Agency Buena Vista WSD 1B	0								
					Semitropic Semitropic Penstocks	2,535								
					USBR Total:	91								
K.C.W.A. Reach 10A Subtotal:	12,963													
						8,032	0	4,538	0	0	0	393		

**TABLE 22b: GOVERNOR EDMUND G. BROWN CALIFORNIA AQUEDUCT**

SAN JOAQUIN FIELD DIVISION, MONTHLY DELIVERIES (Continued)

(In acre-feet)

**March 1995**

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries						
	Beginning and Ending					Entitle-ment	1994 Ent. CY-OV	Interup-table Ent.	Trans.	To Kern Co. WA	Pump Back	Oper. Flood Loss
	No.	Structure	Mile									
11B	25		210.75	Kern County Water Agency Belridge - 2	0	536						
			214.11	Kern County Water Agency Belridge - 3	536							
			216.62	Kern County Water Agency Belridge - 4	0							
			217.13	Kern County Water Agency Belridge - 5	2,240							
				Kern County Water Agency Belridge - 5D	97							
				K.C.W.A. Reach 11B Subtotal:	2,873							
	Check No. 25	217.79										
12D	26		219.58	Kern County Water Agency Belridge - 6	0							
				Check No. 26	224.92							
12E	27		230.37	Kern County Water Agency Buena Vista - 6	0	3,187	0	10,647	0	0	0	874
				Check No. 27	231.73							
	28		235.75	Kern County Water Agency Buena Vista - 2	3,557							
			238.04	K.C.W.A. C.V.C.	11,151							
				Kern-Tulare W.D.	0							
				Tulare Co.	0							
				Lower Tule River	0							
				Fresno Co.	0							
		Pixley ID	0									
		Hacienda DWR Wells	0									
	CVC Subtotal:	0										
	K.C.W.A. Reach 12E Subtotal:	14,708	14,708	0	0	0	0	0				
	Check No. 28	238.11										
13B	29		241.02	Kern River Intertie	11,850	2	647					11,850
			242.85	Kern County Water Agency Buena Vista - 7	2							
			243.09	Kern County Water Agency Buena Vista - 3	647							
				Check No. 29	244.54							
	30		249.85	Kern County Water Agency Buena Vista - 4	0							
				K.C.W.A. Reach 13B Subtotal:	12,499							
	Buena Vista P.P.	250.99		81,362								
14A	31		254.47	Kern County Water Agency West Kern - 2	0	84						
			256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	84							

**TABLE 22c: GOVERNOR EDMUND G. BROWN CALIFORNIA AQUEDUCT**

SAN JOAQUIN FIELD DIVISION, MONTHLY DELIVERIES (Continued)

(In acre-feet)

**March 1995**

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries											
	Beginning and Ending					Entitle-ment	1994 Ent. CY-OV	Interup-table Ent.	Transfer	Pump-back	Oper. Flood Loss						
	No.	Structure	Mile														
14A	31	Check No. 31	256.14														
	32		258.61	Kern County Water Agency Wheeler Ridge-Maricopa - 3	36	36											
			260.44	Kern County Water Agency Wheeler Ridge-Maricopa - 4	206												
				K.C.W.A. Reach 14A Subtotal:	326												
	Check No. 32	261.72			326	0	0	0	0	0							
14B	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5	592	647	0	129	0	0	0						
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6	16												
			267.36	Check No. 33													
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7	168												
				Reach 14B Total:	776												
	Check No. 34	271.27															
14C	35		272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8	333	458	0	0	0	0	0						
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9	125												
				Reach 14C Total:	458												
		John R. Teerink PP	278.13		81,737												
15A	36		279.02	Kern County Water Agency Wheeler Ridge-Maricopa - 9A	99	233	0	0	0	0	0						
			280.06	Kern County Water Agency Wheeler Ridge-Maricopa - 10	134												
				Reach 15-A Total:	233												
		Ira J. Chrisman PP	280.36		81,105												
16A	37		282.06	Kern County Water Agency Wheeler Ridge-Maricopa - 11	0	33											
			283.95	Check No. 37													
			285.01	Kern County Water Agency Wheeler Ridge-Maricopa - 12	0												
	286.39	Kern County Water Agency Wheeler Ridge-Maricopa - 13A	33														
	287.06	Kern County Water Agency Wheeler Ridge-Maricopa - 13	0														
	287.62	Kern County Water Agency Wheeler Ridge-Maricopa - 13B	0														
		Check No. 38	287.09														
	39	Check No. 39	290.21														
	40		291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14	19							19					
			293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15	0												
			Kern County Water Agency TC-15	0													
			K.C.W.A. Reach 16A Subtotal:	52													
	A.D. Edmonston Pumping Plant	293.45		80,384													

**TABLE 23: COASTAL BRANCH AQUEDUCT**  
 SAN JOAQUIN FIELD DIVISION, MONTHLY DELIVERIES

(In acre-feet)

**March 1995**

Reach No.	Operating Pool			Turnout	Total Diver- sions	Deliveries									
	Beginning and Ending					Entitle- ment	1994 Ent. CY-OV	Interup- table Ent.	Trans.	Pump- back	Oper. Flood Loss				
	No.	Structure	Mile												
31A	C-1	Coastal Branch Control	0.02		3,515	765	0	0	0	0					
		Las Perillas P.P.	1.16		3,515										
	C-2		3.79	Green Valley Water District	0										
		Badger Hill P.P.	4.27		3,580										
	C-3														
		Coastal Check No. 3	7.21												
	C-4		9.34	Castaic Lake W.A. (Devil's Den W.D. #1)	765										
		Coastal Check No. 4	9.34												
	C-5	Coastal Check No. 5	12.20												
			13.30	Kern County Water Agency Berrenda Mesa - 3	87										
			14.83	Kern County Water Agency Berrenda Mesa - DD	0										
				Kern County Water Agency Berrenda Mesa - PO	2,391										
				K.C.W.A. Reach 31A Subtotal:	2,478						2,478	0	0	0	0
				K.C.W.A. Total:	47,957						19,346	0	15,314	0	0

**TABLE 24: SOUTHERN FIELD DIVISION PLANT DATA**

(in acre-feet)

**March 1995**

DATE	WEST BRANCH					EAST BRANCH			
	OSO PUMPING	WILLIAM	CASTAIC			ALAMO		PEAR- BLOSSOM PUMPING	DEVIL CANYON GENERATION
		E. WARNE	GENERATION		PUMPBACK				
		GENERATION	TOTAL	SWP 1/		BYPASS	GENERATION		
1	1,220	1,233	1,582	1,425	0	508	885	1,298	1,305
2	1,366	1,401	2,441	1,425	0	412	867	1,224	1,377
3	1,621	1,622	1,498	1,425	0	430	868	1,193	1,231
4	1,617	1,624	985	1,425	0	439	638	970	520
5	1,626	1,622	894	1,425	0	302	0	278	233
6	1,594	1,623	4,526	3,681	0	372	0	255	218
7	1,562	1,561	1,591	3,680	0	407	0	296	212
8	1,663	1,626	3,498	3,680	0	301	0	255	197
9	1,645	1,473	4,702	3,680	0	310	0	255	175
10	1,937	1,628	4,654	3,680	8	243	0	211	217
11	2,314	1,628	4,397	3,680	0	111	0	781	201
12	1,602	1,627	8,487	3,680	0	287	0	0	200
13	1,651	1,626	3,796	3,014	0	6	0	0	399
14	1,417	1,626	3,590	3,014	0	20	0	0	224
15	1,519	1,895	2,665	3,014	0	0	0	0	243
16	3,040	3,214	2,668	3,014	0	0	0	0	400
17	3,277	3,211	2,850	3,014	0	0	0	0	694
18	3,289	3,054	773	3,014	0	0	0	0	471
19	3,247	2,999	808	3,013	0	0	0	0	208
20	2,352	2,251	5,461	4,039	0	0	0	0	208
21	3,123	3,244	5,489	4,039	0	17	0	0	205
22	2,809	3,232	5,584	4,039	0	0	0	0	608
23	2,957	3,149	5,571	4,040	0	0	0	0	485
24	3,242	3,202	5,884	4,040	0	0	0	0	205
25	3,224	3,205	2,063	4,040	0	0	0	0	216
26	3,359	3,194	957	4,040	0	0	0	0	215
27	3,238	3,245	2,877	2,969	0	0	0	0	245
28	3,308	3,277	2,882	2,969	0	0	0	0	309
29	3,233	3,270	2,627	2,969	0	0	0	0	1,109
30	2,943	3,275	3,877	2,969	43	0	0	0	219
31	2,801	3,265	4,036	2,969	0	0	0	0	222
<b>TOTAL</b>	<b>73,796</b>	<b>74,102</b>	<b>103,713</b>	<b>97,105</b>	<b>51</b>	<b>4,165</b>	<b>3,258</b>	<b>7,016</b>	<b>12,971</b>

1/ Scheduled amounts of water credited to SWP in Elderberry Forebay, subject to change.

## TABLE 25: PYRAMID LAKE

### DAILY OPERATION

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

March 1995

DATE	WATER SURFACE ELEVATION (in feet)	STORAGE	STORAGE CHANGE	INFLOW			OUTFLOW			COMPUTED LOSSES (-) GAINS (+)
				PROJECT		NATURAL	PROJECT		NATURAL	
				Castaic Powerplant Pumpback	William E. Warne Powerplant	Stream Flow	Castaic Powerplant Generation	Deliveries	Stream Flow Release	
Feb 28	2273.42	164,056								
1	2573.32	163,929	-127	0	1,233	252	1,582	0	10	-20
2	2572.86	163,350	-579	0	1,401	321	2,441	0	10	150
3	2573.27	163,866	516	0	1,622	422	1,498	0	10	-20
4	2574.17	165,004	1,138	0	1,624	355	985	0	10	154
5	2575.36	166,515	1,511	0	1,622	666	894	0	10	127
6	2574.01	164,801	-1,714	0	1,623	988	4,526	0	10	211
7	2574.45	165,358	557	0	1,561	545	1,591	0	10	52
8	2573.26	163,854	-1,504	0	1,626	420	3,498	0	10	-42
9	2571.06	161,096	-2,758	0	1,473	381	4,702	0	10	100
10	2571.17	161,233	137	8	1,628	2,140	4,654	0	10	1,025
11	2574.72	165,701	4,468	0	1,628	5,812	4,397	0	10	1,435
12	2571.37	161,483	-4,218	0	1,627	1,857	8,487	0	10	795
13	2570.97	160,984	-499	0	1,626	1,291	3,796	0	10	390
14	2570.42	160,299	-685	0	1,626	1,103	3,590	0	10	186
15	2570.76	160,722	423	0	1,895	958	2,665	0	10	245
16	2571.91	162,158	1,436	0	3,214	833	2,668	0	10	67
17	2572.73	163,187	1,029	0	3,211	740	2,850	0	10	-62
18	2575.04	166,108	2,921	0	3,054	680	773	0	10	-30
19	2577.33	169,038	2,930	0	2,999	639	808	0	10	110
20	2575.29	166,426	-2,612	0	2,251	613	5,461	0	10	-5
21	2574.08	164,890	-1,536	0	3,244	797	5,489	0	10	-78
22	2572.73	163,187	-1,703	0	3,232	704	5,584	0	10	-45
23	2571.72	161,920	-1,267	0	3,149	1,014	5,571	0	10	151
24	2570.08	159,877	-2,043	0	3,202	863	5,884	0	10	-214
25	2571.42	161,545	1,668	0	3,205	783	2,063	0	10	-247
26	2573.78	164,510	2,965	0	3,194	752	957	0	10	-14
27	2574.54	165,473	963	0	3,245	712	2,877	0	10	-107
28	2575.25	166,375	902	0	3,277	662	2,882	0	10	-145
29	2576.23	167,626	1,251	0	3,270	631	2,627	0	10	-13
30	2576.18	167,562	-64	43	3,275	594	3,877	0	10	-89
31	2575.83	167,115	-447	0	3,265	559	4,036	0	12	-223
<b>TOTAL</b>			3,059	51	74,102	29,087	103,713	0	312	3,844

**TABLE 26: ELDERBERRY FOREBAY**

**DAILY OPERATION**

Capacity: 32,746 ac-ft

(in acre-feet except as noted)

**March 1995**

DATE	WATER SURFACE ELEVATION (in feet)	STORAGE	STORAGE CHANGE	INFLOW		OUTFLOW			COMPUTED LOSSES (-) GAINS (+)
				CASTAIC POWERPLANT GENERATION	NATURAL STREAM INFLOW	CASTAIC POWER PLANT PUMPBACK	TO CASTAIC LAKE		
							Natural	Project	
Feb 28	1499.14	15,551							
1	1485.03	11,105	-4,446	1,582	107	0	107	6,018	-10
2	1481.24	10,093	-1,012	2,441	127	0	127	3,526	73
3	1476.17	8,881	-1,212	1,498	155	0	155	2,686	-24
4	1471.42	7,893	-988	985	127	0	127	1,946	-27
5	1467.50	7,131	-762	894	159	0	159	1,620	-36
6	1483.43	10,665	3,534	4,526	198	0	198	970	-22
7	1488.77	12,198	1,533	1,591	163	0	163	0	-58
8	1495.64	14,376	2,178	3,498	111	0	111	1,143	-177
9	1499.87	15,803	1,427	4,702	91	0	91	3,301	26
10	1510.58	19,702	3,899	4,654	212	8	212	898	151
11	1517.49	22,451	2,749	4,397	1,349	0	1,349	1,981	333
12	1512.96	20,623	-1,828	8,487	569	0	569	10,897	582
13	1522.74	24,685	4,062	3,796	426	0	426	0	266
14	1522.52	24,589	-96	3,590	369	0	369	3,392	-294
15	1512.85	20,581	-4,008	2,665	317	0	317	6,854	181
16	1519.66	23,361	2,780	2,668	307	0	307	0	112
17	1521.00	23,931	570	2,850	292	0	292	2,135	-145
18	1515.25	21,535	-2,396	773	242	0	242	3,053	-116
19	1517.33	22,384	849	808	204	0	204	0	41
20	1518.61	22,917	533	5,461	179	0	179	5,023	95
21	1521.64	24,208	1,291	5,489	262	0	262	4,536	338
22	1519.58	23,327	-881	5,584	175	0	175	6,564	99
23	1525.40	25,859	2,532	5,571	528	0	528	3,423	384
24	1526.44	26,325	466	5,884	403	0	403	5,646	228
25	1525.81	26,043	-282	2,063	321	0	321	2,643	298
26	1518.30	22,788	-3,255	957	276	0	276	4,296	84
27	1522.35	24,516	1,728	2,877	246	0	246	1,301	152
28	1519.96	23,487	-1,029	2,882	226	0	226	4,066	155
29	1512.63	20,495	-2,992	2,627	206	0	206	5,774	155
30	1511.24	19,955	-540	3,877	186	43	186	4,494	120
31	1511.97	20,239	284	4,036	175	0	176	3,924	173
<b>TOTAL</b>			4,688	103,713	8,708	51	8,709	102,110	3,137

**TABLE 27: CASTAIC LAKE**

**DAILY OPERATION**

Capacity: 323,699 ac-ft

(in acre-feet except as noted)

**March 1995**

DATE	WATER SURFACE ELEVATION (in feet)	STORAGE	STORAGE CHANGE	INFLOW			OUTFLOW		COMPUTED LOSSES (-) GAINS (+)
				FROM ELDERBERRY FOREBAY		NATURAL STREAM FLOW	PROJECT DELIVERIES	RELEASED TO CASTAIC LAGOON	
				Natural	Project				
Feb 28	1446.06	189,781							
1	1449.70	195,904	6,123	107	6,018	121	38	0	-85
2	1451.89	199,640	3,736	127	3,526	135	33	0	-19
3	1453.10	201,721	2,081	155	2,686	173	0	0	-933
4	1454.52	204,177	2,456	127	1,946	151	11	0	243
5	1455.73	206,283	2,106	159	1,620	222	15	0	120
6	1456.22	207,139	856	198	970	252	4	0	-560
7	1456.26	207,209	70	163	0	190	46	0	-237
8	1457.06	208,611	1,402	111	1,143	188	49	0	9
9	1458.98	211,997	3,386	91	3,301	177	40	0	-143
10	1459.86	213,558	1,561	212	898	238	38	0	251
11	1462.21	217,756	4,198	1,349	1,981	1,206	41	0	-297
12	1468.30	228,825	11,069	569	10,897	724	50	2	-1,069
13	1468.46	229,120	295	426	0	444	50	0	-525
14	1470.73	233,319	4,199	369	3,392	448	48	0	38
15	1474.50	240,383	7,064	317	6,854	430	42	0	-495
16	1474.57	240,516	133	307	0	389	44	0	-519
17	1475.81	242,865	2,349	292	2,135	349	45	0	-382
18	1477.72	246,507	3,642	242	3,053	317	70	0	100
19	1477.80	246,660	153	204	0	274	57	0	-268
20	1480.45	251,764	5,104	179	5,023	258	32	0	-324
21	1482.84	256,416	4,652	262	4,536	349	68	0	-427
22	1485.97	262,579	6,163	175	6,564	264	42	0	-798
23	1487.04	264,704	2,125	528	3,423	551	48	0	-2,329
24	1490.30	271,233	6,529	403	5,646	419	51	0	112
25	1492.54	275,767	4,534	321	2,643	315	55	0	1,310
26	1494.65	280,078	4,311	276	4,296	296	41	0	-516
27	1495.48	281,784	1,706	246	1,301	276	30	0	-87
28	1497.46	285,880	4,096	226	4,066	266	59	0	-403
29	1500.33	291,880	6,000	206	5,774	236	52	0	-164
30	1502.46	296,380	4,500	186	4,494	214	56	0	-338
31	1504.31	300,321	3,941	175	3,924	204	67	0	-295
<b>TOTAL</b>			110,540	8,708	102,110	10,076	1,322	2	-9,030

**TABLE 28: GOVERNOR EDMUND G. BROWN CALIFORNIA AQUEDUCT**

SOUTHERN FIELD DIVISION, MONTHLY DELIVERIES (WEST BRANCH)

(In acre-feet)

March 1995

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries										
	Beginning and Ending					Entitle-ment	Rec.	1994 CA - OV Ent.	Local In	Local Out	14 B M & I					
	No.	Structure	Mile													
29A	42	Oso P. P.	1.49		73,796											
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Re-moved											
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub											
29G		Wame P.P.	14.07		74,102											
29H	W3	Pyramid Lake		Calif. State Park Pyramid Recreation	0											
		Pyramid Dam	17.10	Piru Creek Fish Enhancement	0											
29J		Castaic P.P.	25.82		103,713											
30 1/	W4	Elderberry Forebay														
		Forebay Dam	28.12													
	W5	Castaic Lake		Calif. State Park Castaic Lake Recreation	4		4									
		Castaic Dam	31.47													
		Castaic Lake Outlet	MWD - 78"			0										
			MWD - 132"			0										
			Castaic Lake Water Agency	31.55		1,318	1,318									
			MWD - 78" LADWP Exchange			0										
	L. A. County Parks & Recreation			0												
	Recreation to Lagoon			24		24										
Reach 30 Subtotal:					1,346	1,318	28	0	0	0	0					
W6	Castaic Lagoon				0											
	Castaic Lagoon Outlet	31.87			0											

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55. All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

## TABLE 29: SILVERWOOD LAKE

### DAILY OPERATION

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

March 1995

Date	Water Surface Elev. (in feet)	Storage	Storage Change	INFLOW		OUTFLOW					Computed Losses (-) Gains (+)	LAS FLORES RANCH EXCH. 1/
				Project	Natural Stream Inflow	PROJECT			Del. To Mojave W.A.	Natural To Mojave River		
						Delivered to CLAWA	Rec.	San Bernardino Tunnel				
Feb 28	3349.19	69,416										
1	3349.24	69,463	47	1,287	107	0	0	1,305	0	81	39	32
2	3349.05	69,285	-178	1,160	119	0	0	1,377	0	81	1	36
3	3349.31	69,528	243	1,285	272	0	0	1,231	0	141	58	35
4	3350.02	70,195	667	1,139	251	0	0	520	0	210	7	35
5	3350.95	71,074	879	307	1,183	0	0	233	0	408	30	35
6	3350.93	71,055	-19	268	1,010	0	0	218	0	898	-181	35
7	3350.26	70,421	-634	294	449	2	1	212	0	1,057	-105	35
8	3349.66	69,857	-564	117	327	2	1	197	0	797	-11	35
9	3349.45	69,632	-225	286	264	1	1	175	0	527	-71	35
10	3349.51	69,716	84	278	238	2	1	217	0	250	38	35
11	3351.08	71,197	1,481	587	1,981	1	0	201	0	991	106	35
12	3350.23	70,393	-804	44	833	0	0	200	0	1,416	-65	34
13	3349.45	69,660	-733	36	541	0	0	399	0	787	-124	32
14	3349.35	69,566	-94	32	423	0	0	224	0	250	-75	33
15	3349.24	69,463	-103	34	356	0	0	243	0	250	0	33
16	3348.97	69,210	-253	36	318	0	0	400	0	250	43	33
17	3348.51	68,781	-429	36	281	0	0	694	0	127	75	33
18	3348.18	68,474	-307	36	251	0	0	471	0	127	4	33
19	3347.99	68,298	-176	36	230	0	0	208	0	131	-103	34
20	3347.93	68,242	-56	38	217	1	0	208	0	131	29	33
21	3348.37	68,651	409	36	599	3	0	205	0	131	113	34
22	3347.90	68,215	-436	44	360	4	0	608	0	131	-97	34
23	3348.12	68,419	204	61	629	4	0	485	0	200	203	34
24	3348.15	68,447	28	61	469	3	0	205	0	200	-94	34
25	3348.18	68,474	27	60	381	0	0	216	0	147	-51	34
26	3348.20	68,493	19	58	331	0	0	215	0	146	-9	34
27	3348.17	68,465	-28	0	302	0	0	245	0	146	61	0
28	3348.01	68,317	-148	0	277	0	0	309	0	146	30	0
29	3346.89	67,312	-1,005	0	254	0	0	1,109	0	146	-4	0
30	3346.80	67,199	-113	0	229	0	0	219	0	146	23	0
31	3346.56	66,978	-221	14	211	0	0	222	0	146	-78	7
<b>TOTAL</b>			<b>-2,438</b>	<b>7,670</b>	<b>13,693</b>	<b>23</b>	<b>4</b>	<b>12,971</b>	<b>0</b>	<b>10,595</b>	<b>-208</b>	<b>892</b>

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.

**TABLE 30: LAKE PERRIS****DAILY OPERATION**

Capacity: 131,452 ac-ft

(in acre-feet except as noted)

**March 1995**

DATE	WATER SURFACE ELEVATION (in feet)	STORAGE	STORAGE CHANGE	INFLOW	OUTFLOW	COMPUTED LOSSES (-) GAINS (+) 1/
				PROJECT 1/	DELIVERIES	
Feb 28	1583.66	117,042				
1	1584.11	118,044	1,002		12	
2	1584.54	119,005	961		11	
3	1584.97	119,968	963		12	
4	1585.09	120,237	269		11	
5	1585.11	120,282	45		13	
6	1585.30	120,709	427		13	
7	1585.20	120,484	-225		11	
8	1585.20	120,484	0		13	
9	1585.20	120,484	0		13	
10	1585.25	120,597	113		11	
11	1585.32	120,754	157		13	
12	1585.37	120,867	113		14	
13	1585.37	120,867	0		14	
14	1585.41	120,957	90		13	
15	1585.40	120,934	-23		12	
16	1585.41	120,957	23		13	
17	1585.46	121,069	112		12	
18	1585.50	121,159	90		12	
19	1585.50	121,159	0		12	
20	1585.49	121,137	-22		12	
21	1585.47	121,092	-45		13	
22	1585.51	121,182	90		11	
23	1585.58	121,339	157		13	
24	1585.62	121,430	91		12	
25	1585.61	121,407	-23		11	
26	1585.62	121,430	23		13	
27	1585.61	121,407	-23		13	
28	1585.61	121,407	0		13	
29	1585.61	121,407	0		12	
30	1585.59	121,362	-45		14	
31	1585.61	121,407	45		12	
<b>TOTAL</b>			4,365	5,374	384	-625

1/ Readings are not taken on a daily basis. End of month only.

**TABLE 31a: GOVERNOR EDMUND G. BROWN CALIFORNIA AQUEDUCT**

SOUTHERN FIELD DIVISION, MONTHLY DELIVERIES (EAST BRANCH)

(In acre-feet)

**March 1995**

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries					
	Beginning and Ending		Mile			Entitle-ment	1994 CA - OV Ent.	Trans-fer 1/	Local In	1994 Water Bank	Oper. Flood Loss
No.	Structure										
17E		A.D. Edmonston P.P.	293.45		80,384						
			298.65	Kern County Water Agency Tej. - Cas	Stub						
17F	41	Check No. 41	303.41								
18A	42	Check No. 42	304.99								
19	43	Check No. 43	309.70								
	44		313.50	Antelope Valley-East Kern WA 245th Street West	0	2	612	0	0	0	0
		Check No. 44	314.81								
	45		314.93	Antelope Valley-East Kern WA 235th Street West	2						
		Check No. 45	319.74								
	46		323.19	Antelope Valley-East Kern WA Fairmont	612						
		Check No. 46	323.84								
Reach 19 Total:				614	614						
20A	47	Check No. 47	326.77			14	92	0	0	0	0
	48		326.91	Antelope Valley-East Kern WA Willow Springs Siphon	14						
			329.65	Antelope Valley-East Kern WA 120th Street West	Re- moved						
	Check No. 48	330.82									
49	Check No. 49	335.93			9	737	0	0	0	0	
50		336.73	Antelope Valley-East Kern WA (Wheeled for Palmdale WD)	9							
				Antelope Valley-East Kern WA	829						
20B		Check No. 50	341.51			92	0	0	0	0	0
	51	Check No. 51	342.07								
	52		342.80	Antelope Valley-East Kern WA 30th Street West	Not in Use						
		Check No. 52	343.74								
	53		346.98	PWD Palmdale	0						
		348.14	Antelope Valley-East Kern WA Acton Treatment Plant	0							
	Check No. 53	348.17									
21	54	Check No. 54	350.25			62	203	0	0	0	0
	55	Check No. 55	352.70								
	56	Check No. 56	354.76								
			354.97	Littlerock Creek I.D.	0						
22A	57	Check No. 57	356.93			62	203	0	0	0	0
	58		357.72	Antelope Valley-East Kern WA 96th Street East	62						
			359.82	Antelope Valley-East Kern WA East Side Treatment Plant	203						

1/ Transferred from Mojave Water Agency to A.V.E.K.

**TABLE 31b: GOVERNOR EDMUND G. BROWN CALIFORNIA AQUEDUCT**

SOUTHERN FIELD DIVISION, MONTHLY DELIVERIES (EAST BRANCH, Continued)

(In acre-feet)

**March 1995**

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries						
	Beginning and Ending					Entitle-ment	1994 CA - OV Ent.	Rec.	Local In	Local Out	14 B M & I	
No.	No.	Structure	Mile									
22B		Pearblossom P.P.	360.61		7,016							
	58	Check No. 59	366.09									
	59	Check No. 60	373.94									
	60	Check No. 61	379.00									
	61	Check No. 62	384.26									
	62	Check No. 63	389.50									
	63	Check No. 64	395.10									
	64	Check No. 65	400.32									
23	66		401.10	Mojave Water Agency Morongo 24" and 42"	400						400	
				Mojave Water Agency Hesperia	0							
23		Check No. 66	403.41									
24	67	Mojave Siphon	405.48	Las Flores Ranch	892						892	
		Silverwood Lake	407.65	Crestline Lake Arrowhead Water Agency	23						23	
25	67			Calif. State Park Silverwood Agency (Rec.)	4			4				
		San Bernardino Tunnel	411.46									
26A	68			San Gorgonio Pass Water Agency	0							
			Devil Canyon P.P.	412.73		12,971						
					MWD-SC Devil Canyon	292	292					
					Desert Water Agency (MWD Wheeling Exchange)	2,883	2,883					
					SGVWD Devil Canyon	0						
					Coachella Valley W.D. (MWD Wheeling Exchange)	1,925	1,925					
28G	69	Santa Ana Valley Pipeline	425.46									
			433.06	MWD-SC Box Springs	2,494	2,494						
28H	69	Santa Ana Valley Pipeline	440.05	MWD-SC Perris Bypass Pipeline	0							
			442.00	MWD-SC 18"	379	379						
28J	69	Lake Perris		MWD-SC 54"	0							
				MWD-SC 78"	0							
			443.44	Calif. State Park Lake Perris Recreation	5			5				
				MWD Total:	7,973	7,973	0	0	0	0	0	

**TABLE 32: WATER QUALITY AT SELECTED SWP LOCATIONS**

**March 1995**

CONSTITUENT	UNITS	THERMALITO AFTERBAY AT OUTLET	NORTH BAY AQUEDUCT BARKER SL. P.P.	HARVEY O. BANKS DELTA P.P.	DELTA MENDOTA CANAL AT McCABE RD	GOVERNOR EDMUND G. BROWN CALIFORNIA AQUEDUCT				DEVIL CANYON AFTERBAY NEAR SAN BERNARDINO
						O'NEILL FB OUTLET (CHECK 13)	KETTLEMAN CITY (CHECK 21)	NEAR HWY 119 (CHECK 29)	TEHACHAPI AFTERBAY (CHECK 41)	
						ALKALINITY	mg/l	NR	48	
ARSENIC	mg/l	NR	0.002	0.002	0.002	0.001	0.002	0.001	0.002	0.002
BORON	mg/l	NR	0.1	0.3	0.2	0.3	0.5	0.3	0.4	0.3
BROMIDE	mg/l	NR	<0.01	0.12	0.07	NR	NR	NR	0.12	0.17
CALCIUM	mg/l	NR	6	22	25	26	84	23	27	22
CARBON- TOTAL ORGANIC	mg/l	NR	16	5	7	NR	NR	NR	5	4
CHLORIDE	mg/l	NR	6	50	30	64	33	53	56	64
CHROMIUM	mg/l	NR	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
COPPER	mg/l	NR	<0.005	<0.005	0.010	<0.005	<0.005	<0.005	<0.005	0.005
FLUORIDE	mg/l	NR	<0.1	<0.1	0.1	NR	NR	NR	<0.1	0.1
HARDNESS	mg/l	NR	36	105	108	126	354	111	117	101
IRON	mg/l	NR	0.270	0.087	0.049	0.094	<0.005	0.047	0.095	0.015
LEAD	mg/l	NR	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MAGNESIUM	mg/l	NR	5	12	11	15	35	13	12	11
MANGANESE	mg/l	NR	0.011	0.026	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
NITRATE +NITRITE	mg/l	NR	0.26	1.20	NR	NR	NR	NR	1.52	0.45
PHOSPHORUS-ORTHO	mg/l	NR	0.08	0.10	NR	NR	NR	NR	NR	NR
PHOSPHORUS- TOTAL	mg/l	NR	0.37	0.15	NR	NR	NR	NR	0.33	0.04
SELENIUM	mg/l	NR	<0.001	<0.001	<0.001	<0.001	NR	<0.001	<0.001	<0.001
SODIUM	mg/l	NR	13	43	30	56	99	46	47	56
SPECIFIC CONDUCTANCE	µS/cm	NR	126	419	366	524	1030	452	461	467
SULFATE	mg/l	NR	6	54	59	58	364	63	66	59
TOTAL DISSOLVED SOLIDS	mg/l	NR	88	242	217	301	722	263	259	298
TRIHALOMETHANE FORMATION POTENTIAL	µg/l	NR	1616	598	891	672	NR	NR	666	594
ZINC	mg/l	NR	0.009	<0.005	0.009	<0.005	0.009	0.008	<0.005	0.006

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

**TABLE 33: WATER QUALITY AT SELECTED DELTA STATIONS**

**March 1995**

DATE	TIDES		FLOW IN CFS			ELECTRICAL CONDUCTIVITY in milliSiemens											Cl in mg/l				
	(ANTIOCH) DAILY MEAN		DELTA INDEX	RIO VISTA	CHIPPS			JERSEY		SAN ANDREAS		CLIFTON		CONTRA							
	HI	HALF	md	30dm	md	md	md	28dm	md	14dm	md	14dm	md	14dm	md	14dm	md	md	md	md	md
1	3.63	1.74	30893c	84826	28503	0.23	N.R.	N.R.	0.21e	N.R.	0.21	0.20	0.00	0.00	0.00	0.00	0.46	138	65	76	
2	3.85	N.R.	31559c	81059	28140	N.R.	N.R.	N.R.	0.21	N.R.	0.21	0.20	0.00	0.00	0.00	0.00	0.47	119	59	75	
3	N.R.	N.R.	37594c	77776	28721	N.R.	N.R.	0.00	0.22e	N.R.	0.21	0.20	0.00	0.00	0.00	0.00	0.45	26	63	77	
4	3.08	N.R.	52785c	75309	30055	N.R.	N.R.	0.00	0.23	N.R.	0.22	0.21	0.00	0.00	0.00	0.00	0.44	52	61	84	
5	3.71	1.97	63769c	72960	42014	0.24	N.R.	0.00	0.22	N.R.	0.21	0.21	0.00	0.00	0.00	0.00	0.47	81	59	88	
6	3.59	1.86	69172c	70183	47635	0.24	N.R.	0.00	0.19	N.R.	0.22	0.21	0.00	0.00	0.00	0.00	0.52	100	65	98	
7	3.21	1.62	66156c	67050	45659	0.24	N.R.	0.00	0.17	0.24	0.22	0.21	0.00	0.00	0.00	0.00	0.54	111	63	100	
8	3.30	1.97	56424c	63891	41736	0.24	N.R.	0.00	0.17	0.20	0.22	0.21	0.00	0.00	0.00	0.00	0.46	121	54	94	
9	4.68	3.00	50113c	61030	42436	0.22	N.R.	0.00	N.R.	0.20	N.R.	0.21	0.00	0.00	0.00	0.00	0.48	N.R.	48	N.R.	
10	4.48	3.18	77310c	59566	57155	0.25	N.R.	0.00	0.18e	0.20	0.23e	0.21	0.00	0.00	0.00	0.00	0.55e	N.R.	49	121	
11	4.48	3.21	148761c	60894	108873	0.25	N.R.	0.00	0.16	0.20	0.23	0.22	0.00	0.00	0.00	0.00	0.74	N.R.	41	126	
12	4.29	N.R.	309105c	66109	251693	N.R.	N.R.	0.00	0.15	0.20	0.21	0.22	0.00	0.00	0.00	0.00	0.77	N.R.	42	126	
13	4.96	3.56	353194c	76442	299026	0.2	N.R.	0.00	N.R.	0.19	0.21	0.22	0.00	0.00	0.00	0.00	0.51	N.R.	39	N.R.	
14	5.00	3.67	347445c	85048	295609	0.19	N.R.	0.00	N.R.	N.R.	0.21	0.22	0.00	0.00	0.00	0.00	0.38	N.R.	39	N.R.	
15	4.72	3.49	330870c	93352	289182	0.21	N.R.	0.00	N.R.	N.R.	0.24e	0.22	0.00	0.00	0.00	0.00	0.35	N.R.	41	N.R.	
16	4.89	3.54	293426c	100475	261047	0.21	N.R.	0.00	N.R.	N.R.	0.25	0.22	0.00	0.00	0.00	0.00	0.35	N.R.	42	N.R.	
17	4.87	3.49	263733c	106787	234019	0.22	N.R.	0.00	N.R.	N.R.	0.26	0.23	0.00	0.00	0.00	0.00	0.34	N.R.	62	61	
18	4.84	3.19	255465c	113050	160970	0.23	N.R.	0.00	N.R.	N.R.	0.26	0.23	0.00	0.00	0.00	0.00	0.31	N.R.	63	51	
19	4.73	3.04	244137c	118971	157309	0.24	N.R.	0.00	0.12e	N.R.	0.28	0.24	0.00	0.00	0.00	0.00	0.32	N.R.	74	67	
20	5.05	3.36	235397c	124662	199108	0.24	N.R.	0.00	N.R.	N.R.	0.27e	0.24	0.00	0.00	0.00	0.00	0.33	N.R.	82	51	
21	5.05	3.27	243061c	130867	201424	0.25	N.R.	0.00	N.R.	N.R.	0.28	0.24	0.00	0.00	0.00	0.00	0.34	N.R.	84	54	
22	5.32	3.47	246843c	137358	202691	0.26	N.R.	0.00	0.12	N.R.	0.27e	0.25	0.00	0.00	0.00	0.00	0.34	N.R.	92	54	
23	4.89	3.36	249217c	144076	196525	0.28	N.R.	0.00	0.13	N.R.	0.28e	0.25	0.00	0.00	0.00	0.00	0.35	N.R.	99	56	
24	4.19	2.89	252204c	150992	196657	0.27	N.R.	0.00	0.12	N.R.	0.27	0.25	0.00	0.00	0.00	0.00	0.38	N.R.	109	69	
25	3.88	2.62	242881c	157602	190913	0.27	N.R.	0.00	0.12	N.R.	0.27	0.26	0.00	0.00	0.00	0.00	0.39	N.R.	111	75	
26	3.73	2.39	217329c	163465	154545	0.26	N.R.	0.00	0.12	N.R.	0.26	0.26	0.00	0.00	0.00	0.00	0.40	N.R.	107	71	
27	3.71	2.28	196439c	168786	136968	0.25	N.R.	0.00	0.12	N.R.	0.27	0.26	0.00	0.00	0.00	0.00	0.39	N.R.	115	67	
28	3.79	2.30	167976c	173232	133666	0.25	N.R.	0.00	0.14	N.R.	0.27	0.27	0.00	0.00	0.00	0.00	0.35	N.R.	114	56	
29	3.79	2.21	147698c	176409	114577	0.26	N.R.	0.00	0.16	N.R.	0.27	0.27	0.00	0.00	0.00	0.00	0.32	N.R.	110	50	
30	N.R.	N.R.	133394	0	0	N.R.	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	
31	3.85	2.06	124366c	183580	90225	0.29	N.R.	0.00	0.17	N.R.	0.31	0.28	0.00	0.00	0.00	0.00	0.29	N.R.	108	46	

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

N.R. = No Record.

s = Balanced water conditions with storage withdrawals.

b = Balanced water conditions with no storage withdrawals.

**TABLE 34: PESTICIDES, HERBICIDES, AND OTHER ORGANIC  
SUBSTANCES DETECTED IN THE SWP**

Water Quality

March 1995

SAMPLING LOCATION 1/	SAMPLE DATE	CHEMICAL DETECTED	CONCENTRATION 2/ µg/l
NORTH BAY AQUEDUCT AT BARKER SLOUGH PUMPING PLANT	March 15, 1995	Diuron	0.79
		Simazine	0.12
		Chlorpyrifos	0.33
		Dimethoate	0.08
		Dacthal (DCPA)	0.04
CALIFORNIA AQUEDUCT AT HARVEY O. BANKS PUMPING PLANT	March 15, 1995	Diuron	0.11
		Simazine	0.07
		2,4, - D	0.39
		MCPA	0.48
		Dacthal (DCPA)	0.01
DELTA MENDOTA CANAL AT DISCHARGE OF O'NEILL PLANT	March 15, 1995	Diazinon	0.04
		Diuron	2.24
		Simazine	0.81
		Dacthal	0.01
CALIFORNIA AQUEDUCT NEAR KETTLEMAN CITY (CHECK 21)	March 15, 1995 3/	Benzene	5.30
		Toluene	14.40
		o-Xylene	7.70
		Napthalene	1.60
		Isopropyl Benzene	0.50
		n-Butylbenzene	0.90
		Ethyl Benzene	2.80
		1,3,5-Trimethylbenzene	0.80
		Dacthal	0.07
		Diazinon	0.05
		Diuron	0.28
Simazine	0.07		
CALIFORNIA AQUEDUCT AT TEHACHAPI AFTERBAY (CHECK 41)	March 15, 1995	Diuron	0.20
		Simazine	0.11
		Dacthal (DCPA)	0.02
DEVIL CANYON POWER PLANT AT ENTRANCE TO SANTA ANA PIPELINE	March 15, 1995	None Detected	

1/ These locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

3/ On March 10, a pipeline broke adjacent to the aqueduct above Check 21. About 200 barrels of oil discharged and subsequently flushed into the ponding basin. Floodwaters from the basin overtopped the canal levee and a breach occurred allowing oil to enter the aqueduct through the breach.

**TABLE 35: OROVILLE AND DELTA FIELD DIVISIONS ENERGY DATA**

(in kWh)

**March 1995**

DATE	OROVILLE THERMALITO COMPLEX		BARKER SLOUGH	CORDELIA	BANKS TOTAL	BANKS SWP	SOUTH BAY	DEL VALLE
	Generation	Load	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD
1	4,922,784	1,590,336	4,900	13,573	1,660,224	1,660,224	1,130	1,118
2	5,736,672	1,605,600	6,594	15,939	1,403,712	1,403,712	1,122	1,121
3	6,778,656	1,663,776	9,597	23,219	998,976	998,976	50,798	1,104
4	1,027,008	1,902,528	5,789	14,448	1,078,656	1,078,656	55,812	831
5	779,328	1,006,848	3,878	9,807	1,054,272	1,054,272	31,288	727
6	9,242,784	1,970,496	5,299	14,364	1,004,928	1,004,928	59,932	741
7	14,631,840	0	4,424	11,452	981,120	981,120	114,916	734
8	17,981,568	0	7,602	11,361	247,488	247,488	115,742	758
9	19,622,304	0	7,399	9,821	124,608	124,608	116,168	754
10	16,851,744	0	7,476	10,472	120,000	120,000	90,028	737
11	10,059,840	0	8,141	12,845	21,888	21,888	58,114	678
12	8,544,384	0	7,343	9,814	21,696	21,696	54,788	669
13	9,227,232	0	7,763	14,056	21,888	21,888	30,210	691
14	9,594,432	0	7,196	9,877	21,696	21,696	15,050	687
15	14,005,152	0	5,390	6,384	22,272	22,272	7,252	673
16	17,078,688	0	4,473	1,694	22,080	22,080	35,350	669
17	19,817,568	0	3,661	406	21,504	21,504	84,874	671
18	20,714,976	0	3,304	3,052	20,736	20,736	52,130	669
19	20,688,768	0	3,395	406	20,928	20,928	62,720	684
20	20,765,664	0	4,802	4,095	197,184	197,184	67,196	700
21	21,429,792	0	3,360	399	22,080	22,080	62,808	694
22	21,575,520	0	4,172	1,589	22,656	22,656	56,618	702
23	21,258,432	0	4,907	4,389	23,616	23,616	29,952	728
24	21,532,896	0	3,934	385	24,000	24,000	1,608	736
25	21,550,752	0	3,430	2,135	22,848	22,848	31,654	706
26	21,551,328	0	4,011	2,709	22,464	22,464	17,158	699
27	18,484,704	0	3,633	392	22,272	22,272	8,560	387
28	17,879,616	0	3,864	406	21,696	21,696	29,054	212
29	12,722,688	288	5,432	5,789	21,888	21,888	40,286	209
30	13,543,200	0	4,592	406	21,504	21,504	47,356	211
31	13,374,432	288	5,369	3,612	21,696	21,696	78,496	219
<b>TOTAL</b>	<b>452,974,752</b>	<b>9,740,160</b>	<b>165,130</b>	<b>219,296</b>	<b>9,312,576</b>	<b>9,312,576</b>	<b>1,508,170</b>	<b>20,919</b>

**TABLE 36: SAN LUIS FIELD DIVISION ENERGY DATA****March 1995**

(in kWh)

DATE	DOS AMIGOS PUMPING PLANT		WILLIAM R. GIANELLI PUMPING-GENERATING PLANT			
	TOTAL LOAD	SWP LOAD 1/	TOTAL GENERATION	SWP GENERATION 1/	TOTAL LOAD	SWP LOAD
1	854,784	511,784	51,264	51,264	789,408	18,408
2	979,200	636,200	0	0	825,696	7,696
3	1,007,568	664,568	0	0	474,048	6,048
4	1,093,104	750,104	0	0	474,048	6,048
5	976,176	633,176	0	0	1,231,776	-16,224
6	1,001,088	658,088	0	0	474,048	6,048
7	862,560	519,560	0	0	373,248	9,248
8	631,440	274,440	0	0	21,600	21,600
9	594,576	237,576	0	0	21,600	21,600
10	386,640	134,640	0	0	22,752	22,752
11	12,672	12,672	0	0	21,312	21,312
12	12,960	12,960	0	0	21,024	21,024
13	13,104	13,104	0	0	21,600	21,600
14	131,904	19,904	0	0	21,600	21,600
15	119,808	7,808	0	0	21,600	21,600
16	483,696	75,696	0	0	21,600	21,600
17	698,832	290,832	339,552	339,552	14,976	14,976
18	698,688	542,688	291,168	291,168	17,568	17,568
19	503,712	347,712	0	0	20,448	20,448
20	396,000	240,000	0	0	21,024	21,024
21	698,976	542,976	0	0	21,312	21,312
22	467,712	311,712	0	0	23,040	23,040
23	468,864	312,864	0	0	22,176	22,176
24	545,472	389,472	377,568	377,568	15,552	15,552
25	699,552	543,552	474,624	474,624	12,960	12,960
26	618,192	462,192	0	0	20,736	20,736
27	461,520	305,520	0	0	22,464	22,464
28	523,584	367,584	489,600	489,600	13,248	13,248
29	700,704	544,704	51,840	51,840	21,312	21,312
30	732,240	576,240	0	0	21,888	21,888
31	605,376	449,376	0	0	21,312	21,312
<b>TOTAL</b>	<b>17,980,704</b>	<b>11,389,704</b>	<b>2,075,616</b>	<b>2,075,616</b>	<b>5,126,976</b>	<b>521,976</b>

1/ Negative values in SWP columns indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

**TABLE 37: SAN JOAQUIN FIELD DIVISION ENERGY DATA**

(in kWh)

**March 1995**

DATE	PLANT LOAD					
	LAS PERILLAS	BADGER HILL	BUENA VISTA	JOHN R. TEERINK	IRA J. CHRISMAN	A.D. EDMONSTON
1	11,980	31,512	637,560	740,376	1,647,648	5,878,800
2	13,280	34,824	677,304	725,760	1,656,576	6,032,880
3	13,754	33,376	747,144	799,416	1,836,576	6,523,200
4	13,260	34,352	672,336	749,160	1,653,120	5,994,720
5	9,832	24,840	509,832	550,296	1,243,008	4,404,960
6	10,432	27,312	499,968	532,296	1,196,928	4,364,640
7	9,752	23,536	492,264	549,864	1,196,352	4,397,760
8	7,444	19,144	477,576	531,504	1,240,704	4,420,080
9	7,944	19,632	498,096	544,608	1,196,640	4,396,320
10	2,786	7,208	535,680	587,304	1,354,176	4,784,400
11	996	680	650,520	693,000	1,538,208	5,452,560
12	988	680	457,920	529,344	1,187,136	4,245,120
13	976	1,904	386,640	444,960	986,688	3,582,720
14	6,670	15,208	348,696	403,200	904,896	3,161,520
15	5,714	13,680	368,064	425,160	948,672	3,353,760
16	12,698	31,776	715,608	812,952	1,804,896	6,730,560
17	15,574	40,496	805,536	900,432	2,035,296	7,225,200
18	11,886	30,488	788,184	900,792	2,052,000	7,234,560
19	7,586	19,592	800,712	902,016	2,051,136	7,194,240
20	4,014	8,408	597,672	634,248	1,457,280	5,235,120
21	6,420	14,744	766,152	859,536	1,935,648	6,984,720
22	7,578	18,432	684,360	756,936	1,717,056	6,258,960
23	9,316	23,120	679,608	763,344	1,735,200	6,336,584
24	6,946	17,376	752,760	869,184	1,954,656	6,987,600
25	7,976	19,168	779,544	865,152	1,945,440	7,170,480
26	4,606	10,768	812,664	902,304	2,086,560	7,336,080
27	7,414	17,416	756,216	896,904	2,038,752	7,344,720
28	11,500	28,880	794,880	881,928	2,014,560	7,306,560
29	11,382	28,792	791,064	887,400	1,991,808	7,032,240
30	8,620	22,448	747,432	785,520	1,721,376	6,524,640
31	5,548	12,976	705,672	777,816	1,777,536	6,291,360
<b>TOTAL</b>	<b>254,872</b>	<b>632,768</b>	<b>19,937,664</b>	<b>22,202,712</b>	<b>50,106,528</b>	<b>180,187,064</b>

**TABLE 38: SOUTHERN FIELD DIVISION ENERGY DATA**

(in kWh)

**March 1995**

DATE	WEST BRANCH			EAST BRANCH		
	OSO LOAD	WILLIAM E. WARNE GENERATION	CASTAIC SWP GENERATION	ALAMO GENERATION	PEARBLOSSOM LOAD	DEVIL CANYON GENERATION
1	327,264	768,096	1,392,000	105,784	891,456	1,620,480
2	372,008	877,608	1,392,000	103,712	840,168	1,693,440
3	436,296	1,008,504	1,392,000	104,776	816,000	1,549,632
4	428,624	1,009,800	1,392,000	74,648	666,048	643,776
5	434,168	1,008,360	1,392,000	0	195,792	278,976
6	432,376	1,008,936	1,560,000	0	186,720	259,392
7	427,560	968,688	1,560,000	0	219,288	249,024
8	444,528	1,011,168	2,400,000	0	189,144	229,824
9	440,384	914,040	2,400,000	0	188,676	198,528
10	505,064	1,011,960	3,912,000	0	151,608	252,768
11	624,960	1,012,752	4,984,000	0	544,512	224,352
12	430,472	1,011,960	6,240,000	0	15,300	228,000
13	438,760	1,010,592	4,008,000	0	15,072	481,632
14	383,544	1,010,880	3,607,000	0	13,644	254,208
15	403,816	1,150,560	2,040,000	0	12,876	275,904
16	808,024	1,826,928	2,040,000	0	13,200	475,968
17	871,640	1,826,136	2,880,000	0	13,008	841,536
18	882,168	1,737,216	2,880,000	0	12,900	561,696
19	870,520	1,724,760	2,880,000	0	12,564	236,544
20	627,872	1,291,176	2,880,000	0	13,368	235,872
21	826,392	1,846,296	2,880,000	0	15,996	230,784
22	761,432	1,845,576	4,224,000	0	17,160	726,144
23	776,104	1,776,456	4,224,000	0	18,576	571,200
24	885,864	1,829,232	4,224,000	0	18,624	229,536
25	861,056	1,828,440	4,224,000	0	16,992	243,744
26	903,952	1,825,272	4,224,000	0	16,164	256,320
27	870,464	1,846,944	2,880,000	0	16,668	272,736
28	877,408	1,856,088	2,880,000	0	15,672	364,608
29	866,992	1,857,024	2,880,000	0	16,140	1,360,320
30	781,312	1,855,440	2,880,000	0	7,764	259,968
31	751,464	1,846,152	2,880,000	0	15,240	258,816
<b>TOTAL</b>	<b>19,752,488</b>	<b>43,403,040</b>	<b>91,631,000</b>	<b>388,920</b>	<b>5,186,340</b>	<b>15,565,728</b>